



H.C. Enevoldsen  
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#### **Mainframe Development & Maintenance**

IMS CICS COOL:GEN HPS COBOL PL/I DB2 VSAM JCL XML

EDP experience since 1986, since 1991 as freelance in Copenhagen, Hamburg, Malmoe. Analysis, Design, Development of Client/Server applications, Host interfaces, Database requests, Batch programs, JCL operations, CASE. Good experience in Logistics, Banking, Mortgage, State and Municipality.

- (1) Curriculum Vitae
- (2) Edp Knowledge
- (3) Projects
- (4) Companies
- (5) References

## **(1) Curriculum Vitae**

### **Biography**

Born July 18 1954 in Kastrup, Denmark. Parents pastor Jens Enevoldsen and nurse Grethe Enevoldsen. One brother and three sisters. Upbringing in Pakistan 1957-1967, education at american boarding school. Education and work in Aarhus 1968-1981, from 1982 in Copenhagen. Married to Lotte Qvistorff 1987, bought a house in Amager same year. Moved to Hamburg 2001, Malmo 2005. Appartment in Pelzerhaken 2006, sold 2010. Moved back to Copenhagen 2010. Radiotherapied for cancer 2013, laryngectomized 2014. Moved to Elsinore 2015. Retired 2020, Pushkin ApS closed same year.

### **Volunteer**

Transcriber Gribskov (Elsinore) (2023- )  
Transcriber Rigsarkivet (Elsinore) (2020-2022)

### **Occupation**

Freelance Consultant (Elsinore) (2015-2020) Pushkin ApS  
Freelance Consultant (Copenhagen) (2010-2015) Pushkin ApS  
Freelance Consultant (Malmo) (2005-2010) H.C.Enevoldsen AB  
Freelance Consultant (Hamburg) (2001-2005) H.C.Enevoldsen  
Freelance Consultant (Copenhagen) (1991-2001) Pushkin ApS  
Consultant WM-Data (Copenhagen) (1990-1991)  
Consultant KTAS Data (Copenhagen) (1989-1990)  
Programmer SAS Data (Copenhagen) (1986-1989)

### **EDP Courses**

UNI-C Standard C (1995)  
Texas Instruments IEF/Cool:Gen (1995)  
CRI CSP (1993)  
IMG IEW (1989)  
Datacentralen CICS,Data Analysis (1989)  
Niveau Yourdon Design (1988)  
IBM DB2,SQL,CICS (1988)  
Primdata TELON (1988)  
SAS Data IMS,DL/1,AACRT (1987)

### **Education**

EDP Assistant (1986-1987)  
SAS Data Copenhagen  
MA in History/Arabic (1977-1985)  
Copenhagen University  
Aarhus University  
EFG Basic Agriculture (1975-1976)  
Aarhus Technical School  
High School (1971-1974)  
Herning Gymnasium  
Risikov Amtsgymnasium  
Secondary School (1968-1971)  
Rønde Kursus

### **Languages**

Danish (native)  
English (fluent)  
German (good)  
Swedish (good)

<b>(2) EDP Knowledge</b>	<u>System</u>	<u>Level</u>	<u>First</u>	<u>Last</u>
Operating system :	MVS OS/390 Z/OS	High	1986	2019
	MS Windows .Net	Medium	1997	2019
Communications :	CICS	High	1989	2019
	IMS/DC	Medium	1986	1996
Database :	DB2 (SQL)	High	1988	2019
	ADABAS	Medium	2015	2017
	DATAACOM	Medium	2017	2018
	VSAM	High	1989	2008
	IMS/DB (DL/1)	Medium	1986	1996
Programming :	COBOL	High	1986	2019
	PL/1	High	1993	2013
	XML	Medium	2015	2017
	DCF/Script	Medium	1998	1998
Case :	IEF/Cool:Gen	High	1992	2018
	HPS	High	1997	2017
Development :	TSO/ISPF/ROSCOE	High	1986	2019
	JCL/OPC/TWS	High	1986	2019
	SPUFI/QMF/AQT/DQRY	High	1988	2019
	SDF2/BMS	High	1986	2017
	SDSF/JES2/SYSVIEW	High	1986	2019
	ENDEVOR/LIBRARIAN	High	1992	2019
	XPEDITER/INTERTEST	High	1991	2019
	FILEAID/ABENDAID	High	1986	2019
	APPBUILDER/NEBULA	High	2008	2017
	RDZ/RTC	Medium	2011	2013
	DATAMANAGER/ERWIN	High	1986	2018
	IDCAMS/DFSORT	High	1986	2018
	GUARDIEN	High	1995	2018
CHANGEMAN/SERVICENOW	High	1997	2018	
Miscellaneous :	Microsoft Office	High	1988	2022
	Linux Mint	Medium	2022	2023
	LibreOffice	High	2022	2023
	Transkribus	Medium	2023	2023

### (3) Projects

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Gribskov Arkiv (Archive) (Jan23- )  
Project: Transkribus Søborg-Gilleleje sogneråd  
- Søborg-Gilleleje sogneråd 1920-1932, 1940-1948  
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Rigsarkivet (Archive) (Mar20-Oct22)  
Project: Danish Westindies, Transcription, 6100+ pages  
- Menighedsberetninger om døde, St. Croix (1805-1909)  
- Menighedsberetninger om viede, St. Croix (1828-1907)  
- Menighedsindberetninger over døde, St. Thomas og St. Jan (1859-1918)  
- Menighedsindberetninger over viede St. Thomas og St. Jan (1828-1918)  
- Zahlruller over de militære tropper i Vestindien (1762-1770)  
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Nordea Kredit (Bank) (Dec18-Apr19)  
ProData  
Project: UNIK Nordea Credit & Finance  
MVS IMS CICS DB2 SQL COBOL JCL ENDEVOR  
- Transfer Credit data to SAP Finance  
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Coop IT (Logistics) (Oct17-Aug18)  
Epico  
Project: RETAIL Supply Chain  
MVS CICS Cool:Gen JCL SQL DATACOM COBOL ENDEVOR  
- Migration from Datacom to SAP  
- Maintenance of Cool:Gen and Cobol applications  
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Nordea IT (Bank) (Sep15-Mar17)  
Raft/ProData  
Project: 8716 KUD Safekeeping & Settlement  
MVS IMS CICS HPS DB2 SQL ADABAS COBOL XML ENDEVOR  
- Maintenance of HPS batch  
- Development of new message system with XML  
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BEC Bankernes EDB Central (Bank) (Jan14-Nov14)  
Zenit  
Project: 6520 Cutomer Account, 6430 Advice  
MVS CICS DB2 SQL COBOL LIBRARIAN  
- Enlargement of account number, Netbank, RADE  
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DB Danske Bank (Bank) (Sep12-Dec13)  
Zenit  
Project: APCO Application and Collateral  
MVS CICS DB2 SQL COBOL PL/I LIBRARIAN  
- Agile development of applications for Collateral  
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SDC Skandinavisk Data Center (Bank) (Jan12-Jul12)  
directly  
Project: FUFU CoreBank System  
MVS CICS DB2 SQL PL/I COBOL HPS Nebula  
- Analysis, estimation, implementation of customer requests

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DB Danske Bank (Bank) (Mar11-Dec11)  
Dana Consult  
Project: COLL Credit Collateral  
MVS CICS DB2 SQL COBOL PL/I LIBRARIAN

- Analysis and correction of errors
- Optimization of Incident handling

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SDC Skandinavisk Data Center (Bank) (Jan11-Feb11)  
directly  
Project: FOPS CoreBank System  
MVS CICS DB2 SQL COBOL HPS Nebula

- Analysis and correction of errors

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PBS Payment Business Services (Bank) (Jun10-Dec10)  
Interim  
Project: NCB New Charge Back  
MVS CICS DB2 SQL COBOL ENDEVOR DATAMANAGER

- Design and development of Chargeback Billing

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SDC Skandinavisk Data Center (Bank) (May08-Dec09)  
directly  
Project: FUF CoreBank System  
MVS CICS DB2 SQL PL/I COBOL HPS Nebula

- Maintenance of CoreBank System (Kernesystem)
- Batch followup and monitoring
- Analysis, estimation, implementation of customer requests

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KMD Kommunedata (Local government) (May07-Apr08)  
directly  
Project: LOU Municipal case processing Pension  
MVS CICS DB2 SQL PL/I COBOL Cool:Gen CMAN Gardien

- Development and maintenance of pension information
- Introduction of E-Indkomst to Pension
- New online functionality with CICS BMS

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KMD Kommunedata (Local government) (Oct06-Apr07)  
directly  
Project: LKU Municipal case processing Person  
MVS CICS DB2 SQL PL/I COBOL Cool:Gen CMAN Gardien

- Development and maintenance of person information
- New search table with dynamic Sql queries
- Replacement of DSNTEP2 with SQLDA calls

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ND Nykredit Data (Mortgage) (Jan06-Sep06)  
directly  
Project: EVD Ejendomsvurdering POM Partner  
MVS CICS DB2 SQL COBOL Cool:Gen

- Development Cool:Gen and COBOL online
- Batch conversion og external data

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KMD Kommunedata (Local government)

(Nov04-Dec05)  
Sketenty

Project: LKU Municipal case processing Person  
MVS CICS DB2 SQL PL/I COBOL Cool:Gen CMAN Gardien

- Design, development and maintenance of person information
- Management and redesign of Borgerkomponent
- Implementation of Cool:Gen Models in Gardien and CMAN

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KMD Kommunedata (Local government)

(Apr04-Oct04)  
Sketenty

Project: LKF Municipal case processing Sag  
MVS CICS DB2 SQL Cool:Gen PL/1 COBOL Gardien MQ

- Design and development in Cool:Gen CBD
- Development of new Person search modules

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HL Hapag-Lloyd (Transport)

(May03-Dec03)  
Nielsen+Partner

Project: FIS Freight Informations System  
MVS CICS DB2 SQL Cool:Gen CICS FILEAID QMF CE-Access

- Maintenance and development in Cool:Gen
- Extension of customer key with 36-decimal system
- Realtime transaction processing of Canada Rail data

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ITERGO (Insurance)

(Jul02-Nov02)  
Dati

Project: ESPRIT Migration PL/1  
MVS CICS DB2 SQL PL/1 XPEDITER ENDEVOR

- Migration of PL/1 programs to Victoria Host

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HEW Hamburgische Electricitäts Werke (Energy)

(Dec01-Jun02)  
Ascena

Project: GKM Billing  
MVS CICS DB2 SQL COBOL SCLM

- Development of a results database in DB2 from QSAM data
- Maintenance of existing programs for customer billing

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CSC Computer Sciences Corporation (Public Sector)

(Jul98-Jul01)  
Scan Data

Project: RPS Regelsprog/Salary Client/Server  
OS/2 Windows MVS CICS DB2 SQL VSAM COBOL HPS ESF

- Development of batch jobs for DB2 Utilities
- Generation and runtime dynamic SQL
- Generation of JCL via user requests
- Templates in COBOL via HPS Repository

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ND Nykredit Data (Mortgage)

(Feb98-Jun98)  
Dataconsult

Project: RDG Advice  
OS/2 MVS CICS DB2 SQL Cool:Gen DCF/Script

- Development of documents and forms in DCF/Script
- Development of data reads in Cool:Gen

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CSC Computer Sciences Corporation (Public Sector) (Jan97-Jan98)  
Scan Data  
Project: RPS Regelsprog/Salary Client/Server  
OS/2 Windows MVS CICS DB2 SQL VSAM COBOL HPS

- Development of C/S systems for salary in HPS
- Development of interfaces between HPS and RPS (Regelsprog)
- VSAM temporary storage for online applications
- JCL, DCLGEN, Compile, Install, Templates

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SDC Sparekassernes Data Central (Bank) (Aug96-Dec96)  
Scan Data  
Project: IBSF Card Systems  
MVS IMS DB2 SQL PL/1 COBOL SCLM

- Maintenance and development of credit-card systems

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MD Mærsk Data (Transport) (Aug95-Jul96)  
Scan Data  
Project: RKCS Booking and Freight Quotes  
MVS CICS DB2 SQL DL/1 COBOL PL/1 Cool:Gen SCLM Guardian  
Project: CCD Common Customer Definition Client/Server  
OS/2 MVS CICS DB2 SQL COBOL C Cool:Gen

- Maintenance and development of existing Cool:Gen systems
- Development of C/S Applicationen using Cool:Gen

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IBM International Business Machines (IT) (Nov94-Jun95)  
CRI

Project: SWEASY Software Database  
MVS IMS CICS DB2 SQL DL/1 PL/1  
Project: KEYS Software Licensing Online  
MVS IMS CICS DB2 SQL DL/1 PL/1 C/370

- Conversion of IMS DB/DC systems to CICS/DB2
- Development of batch jobs for data consolidation, APPC interface

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MD Mærsk Data (Transport) (May94-Sep94)  
DanSys

Project: RKCS Booking and Freight Quotes  
MVS CICS DB2 SQL DL/1 VSAM COBOL PL/1 Cool:Gen SCLM

- Development of online CICS applications via Cool:Gen
- Development of interfaces to existing IMS systems

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CRI Christian Rovsing International (Bank) (May93-Apr94)  
PMP

Project: FED Conversion Fonds/Emiss./Depot  
MVS CICS DB2 SQL VSAM COBOL PL/1 JCL CSP ELIPS

- Conversion of bank data from QSAM to DB2

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PBS Pengeinstitutternes Betalings Service (Bank) (Sep92-Apr93)  
DataSupport

Project: KORTUDVIKLING Autom. Teller Machine  
MVS CICS DB2 SQL COBOL SDF2 INTERTEST ENDEVOR

- Maintenance and development of credit-card systems

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MD Mærsk Data (Transport) (Jul92-Aug92)  
CRI

Project: MODS Various Reports and Forms  
MVS CICS COBOL IEF/Cool:Gen

- Development of reports and bills for asian customers

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RD Realkredit Danmark (Mortgage) (Feb91-May92)  
Cocon

Project: DEBITOR Conversion IMS to DB2  
MVS IMS CICS DL/1 DB2 SQL COBOL SDF2 INTERTEST  
Project: GENERALFORSAMLING Voting System  
MVS CICS DB2 SQL COBOL SDF2 ADW INTERTEST  
Project: VILKÅR Conversion IMS to DB2  
MVS IMS CICS DL/1 DB2 SQL COBOL SDF2 ADW INTERTEST

- Conversion of existing applications to DB2
- Development of online system for shareholder voting
- Maintenance of existing online and batch systems

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WM-Data (IT) (May90-Jan91)

Project: MILLENNIUM Standard Finance System from DBS  
MVS IMS CICS VAX DB2 SQL DL/1 VSAM COBOL SDT/PDL

- Implementation of standard software
- Development of COBOL reports on DEC/VAX

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KTAS Københavns Telefon Aktie Selskab (Telecom) (Apr89-Apr90)

Project: BIMS Cics Dialogsystem  
MVS CICS VSAM COBOL SDF EDF

- Maintenance and development of an online Dialog System

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SAS Scandinavian Airlines System (Transport) (Dec86-Mar89)

Project: RUTEHIERARKI Flights, Routes, Organisation  
MVS IMS DL/1 COBOL DATAMANAGER AACRT BTS/XPF  
Project: CARGO Flights, Cargo, Clearing  
MVS IMS DL/1 COBOL DATAMANAGER  
Project: TRAF Flights, Traffic, Passengers, Destinations  
MVS IMS DB2 SQL COBOL EXCELERATOR TELON BTS/XPF

- Introduction of DB2 to replace IMS
- Online and batch programming



#### (4) Companies

##### Industry

Logistics	SAS, Maersk, Hapag-Lloyd, Coop
Banking	CRI, PBS (Nets), SDC, Danske Bank, BEC, Nordea
Mortgage	Realkredit Danmark, Nykredit, Nordea Kredit
Telecoms	KTAS (TDC)
IT	IBM, WM-Data (CRI)
Government	CSC (DXC), KMD
Energy	HEW (Vattenfall)
Insurance	ITERGO
Arkiv	Rigsarkivet, Gribskov Arkiv

##### Companies

SAS Data	www.sasdata.dk	86,87,88,89
KTAS (TDC)	www.tdc.dk	89,90
WM-Data (CRI)	www.wmdata.dk	90,91
Realkredit Danmark	www.rd.dk	91,92
Mærsk Data	www.maerskdata.dk	92,94,95,96
PBS (Nets)	www.nets.eu	92,93,10
IBM	www.dk.ibm.com	94,95
SDC	www.sdc.dk	96,08,09,11,12
CSC (DXC)	www.csc.com/dk	97,98,99,00,01
Nykredit	www.nykredit.dk	98,06
HEW (Vattenfall)	www.hew.de	01,02
ITERGO	www.itergo.de	02
Hapag-Lloyd	www.hapag-lloyd.de	03
KMD	www.kmd.dk	04,05,06,07,08
Danske Bank	www.danskebank.dk	11,12,13
BEC	www.bec.dk	14
Nordea	www.nordea.dk	15,16,17,18,19
Coop	www.coop.dk	17,18
Rigsarkivet	www.sa.dk	20,21,22
Gribskov Arkiv	www.gribskovarkiv.dk	23

##### Agencies

Cocon Data	www.cocon.dk	91,92
DataSupport	www.datasupport.dk	92
CRI	www.wmdata.dk	92,93,94,95
DanSys	www.dansys.dk	92,94
PMP/EcSoft	www.ecsoft.dk	94
ScanData	www.execon.net	95,96,97,98,99,00,01
Ascena	www.ascena.de	01
DATI	www.dati-mc.de	02
Nielsen & Partner	www.nundp.com	03
Sketenty	www.sketenty.dk	04,05
Interim Competence	www.i-c.as	10
Dana Consult	www.danaconsult.dk	11
Zenit	www.zenit.dk	12,13,14
Raft	www.raft.dk	15
ProData	www.prodata.dk	16,17,18,19
Epico	www.epico.dk	17,18

##### Directly

Pushkin ApS	www.pushkin.dk	06,07,08,09,11,12
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## (5) References

2018 - 2019: NRD Johannes S. Hansen g32334@nordea.com +45 55472584  
2017 - 2018: Coop Erik Søefeldt erik.soefeldt@coop.dk +45 51594634  
2015 - 2017: NRD Edvard Aas edvard.aas@nordea.com +45 55470903  
2014 - 2014: BEC Kenneth G. Nielsen kgn@bec.dk +45 46762209  
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2007 - 2008: KMD Dianne Frost Larsen dfl@kmd.dk +45 44606168  
2006 - 2006: NYK Henrik Lynge hl@ipteam.dk +45 33690307  
2004 - 2007: KMD Michael Sønderstrup mhs@kmd.dk +45 44601875

2002 - 2003:

Projekt Cool-Gen Entwicklung im Bereich Dokumentation und US Zoll von 05/03 -12/03 Referenz durch Projektleiter Customer Service Documentation einer Container-Linie vom 04.01.04

*"Der Consultant verfügt über hervorragende COOL-GEN und DB2 Kenntnisse. Aufgrund seiner großen Erfahrung hat er selbst schwierigste Aufgaben im Bereich Zoll-Systeme und Dokumentation in kürzester Zeit erledigt. Die von ihm entwickelten Applikationen laufen fehlerfrei und performant. Neben seiner fachlichen Qualifikation ist er ein äußerst engagierter Mitarbeiter. Ich möchte mich an dieser Stelle für seine Mitarbeit bedanken und würde mich freuen, wenn wir bald wieder in einem Projekt zusammenarbeiten könnten."*

Projekt Anwendungsentwicklung im Großrechnerbereich, 2001 - 2002

Referenz durch norddeutsches Energieversorgungsunternehmen, vom 19.02.03

*"Der Consultant hat sich sehr schnell in das bereits seit längerem laufende Projekt eingearbeitet und eingegliedert. Das gilt sowohl für die Belange der bei uns betriebenen Anwendungsentwicklung, als auch für die sehr komplexe fachlich/prozessuale Situation. Der Consultant arbeitete sehr verlässlich, sehr selbstständig und hat das Projekt sehr mit seinem Engagement vorangebracht."*

1997 - 2001:

Projekt Salary Client/Server, OS/2 Windows MVS CICS DB2

SQL, VSAM, QSAM, COBOL, HPS, ESF, 1997-2001

Referenz durch System architect, Senior Consultant in CSC Denmark, of 11.11.01

*"I have been working with the consultant from 1997 until 2001 (with 2 breaks of few months). We have been working together developing a very complex payroll system. During our cooperation I have many times set out the consultant to find solutions or solve a problems and every time the tasks was completed very satisfactory. He works very competent and with a great engagement. He works very quickly and the speed does not influence the quality not ether the character and the size of his tasks. His long experience with the subject (system development) has made him to expert on this area. As a colleague he is a kindly and friendly person who never had any problems communicating and associating with others throng all levels in our organization. After all we choose to engage him tree times during 4 years."*

Project Salary Client/Server, OS/2 Windows and other, 01/97 - 07/01

Reference by Project Manager, IT services firm (60000 employees), from 2001-11-06

*"Salary Client/Server, OS/2 Windows MVS CICS DB2 SQL VSAM COBOL HPS ESF, project periods: 01/97 - 01/98, 07/98 - 09/00, 01/01 - 07/01:*

*The consultant was a key member of the staff. He was inventive, responsible, hard-working and a great engineer. He developed the most critical parts of the architecture in the system, and we couldn't have made it without him. He returned to the project several times to help us in difficult situations. I would enjoy cooperating with him again anytime."*