

PERSONAL INFORMATION



Björn Carlén Bengtsson

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 N/A

 N/A

Sex Male | Date of birth 28/03/1965 | Nationality Swedish

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

GIS Maintenance Expert

WORK EXPERIENCE

February 2014-Present

Senior Software developer

Carmenta Public Safety AB, Gothenburg, Sweden (www.carmenta.com)

- Development of ResQMobile, a case management and navigation application for emergency vehicles.
- Analysis and processing of map data into background maps, geocoding data, route search data, reverse geocoding data, etc.
- Software development and programming of Carmenta CoordCom, a Command, Control, Communication, Computer & Information System (C4IS) for public safety organisations running an emergency response operation, as well as critical infrastructure protection operations such as border control.
- Software development and programming of Carmenta ResQMap, a multi-user map display designed to be used in mission critical applications, such as Public Safety and National Security.
- Development of Carmenta Search and Rescue, a multi-user emergency response system designed for JRCCs (Joint Rescue Coordination Centres) that can handle both maritime and aeronautical incidents and accidents.
- Development of Carmenta Advanced Map Components containing modules for geocoding, route search and reverse geocoding.
- Development of TrackingViewer, a status viewer for a Tetra radio communication network.
- Development of a SCAIP (Social Care Alarm Internet Protocol) adaptor for CoordCom.

Business or sector Public Safety

February 2013- February 2014

Senior Software Developer

SAAB Security and Defence Solutions, Gothenburg, Sweden (<https://saab.com/security/>)

- Development of SAAB SAFE Security and Safety Management platform, a flexible platform for building security systems.

Business or sector Public Safety, Airport and Prison Security

February 1993- February 2013

Software Developer

Carmenta AB, Gothenburg, Sweden (www.carmenta.com)

- Chief architect and technical project leader of Carmenta ResQMap, a powerful GIS for Public Safety and Civil Security used in mission critical systems since 2005.
- Development of ResQMap WebView, a web client for Carmenta ResQMap.
- Design of TravelChart, a web map image generator.
- Design and development of Carmenta Server, a server technology for the handling of digital maps and other geographic information. Responsible for the first successful OGC WMS and WFS certification.
- Development of Rodos Client, a web based pre-flight planning tool.
- Development of DRC, an air route planning tool.
- Development of a map image web service based on Carmenta Server used by DRC and Rodos Client.
- Development of AIRLang Workshop, a development environment used with DRC.
- Development of TLM39, a windows based command and control system for the Swedish Air Force (a predecessor to IS FV).
- Development of SpatialAce (predecessor to Carmenta Engine), an advanced toolkit for interactive geographic applications. Design of the COM-interface to the object model of SpatialAce and an ActiveX Control for SpatialAce. Implementation of the installation solution. Design and implementation of the graphical map configuration tool – SpaceLab (predecessor to Carmenta Studio) etc.
- Development of Pilsner, an object oriented scripting language used as a configuration language for map settings in SpatialAce.
- Development of GraphEd, a frontend to a graphical language editor.
- Development of OOSL, a compiler for an object oriented specification language used for incremental semantic analysis in text and graphical language editors. The incremental semantic analysis was implemented using a door attribute grammar.
- Development of SaerimnerTools, a metatool for development of development-tools for textual and graphical languages.
- Development of a syntax sensitive structure editor for a special purpose language using Emacs and Emacs-Lisp.

Business or sector Compilers, GIS, APIs, etc.

February 1991- February 1993

Systems Software Developer

Volvo Data Corporation (Volvo Information Technology), Sweden

- Development of TAX, a transaction processing monitor running on PDP/RX, VAX/VMS and Alpha/OpenVMS.
- Development of a Decnet communication package on MacOS using the Macintosh Communication Toolbox.

Business or sector Enterprise Application Development, Transaction Processing Monitors

August 1990- February 1991

Trainee Program for Computer Technicians

Volvo Data Corporation (Volvo Information Technology), Sweden

- Courses in IBM 390, PDP/RX, VAX/VMS etc.

EDUCATION AND TRAINING

1986-1990

Master of Science in Computer Science and Electrical Engineering

Level 7

Chalmers University of Technology, Gothenburg, Sweden

1985-1986

Military Education

Skövde, Sweden

1982-1985

Natural Science at Swedish Upper Secondary School

Fågelviksskolan, Tibro, Sweden

PERSONAL SKILLS

Mother tongue(s)

Swedish

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Good communication skills gained through my experience with technical sales support

Organisational / managerial skills

- Supervisor of thesis works
- Scrum master (currently responsible for a team of 4 people)

Job-related skills

- Experienced in technical sales support

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- Experienced creator installation programs using Windows Installer and WiX
- Certified in MySQL 4.0
- Good understanding of GIS systems gained during development of mapping toolkit SpatialAce

Other skills

- Football coach: 10 years of experience as a coach for girls football teams
- Athletics coach: 5 years of experience as a personal coach for athletes competing in heptathlon and high jump

Driving licence

ABC

ADDITIONAL INFORMATION

Qualifications and skills:

- Higher education in the field of IT, completed with a bachelor's degree or equivalent; **Björn holds a Master of Science in Computer Science and Electrical Engineering from Chalmers University of Technology, 1990.**
 - Knowledge in the field of project management proven through certifications / diplomas recognized at national / international level
 - Knowledge in the field of GIS (Geographic Information Systems) technologies, such as the editing and production of GIS data, the implementation / management of geospatial databases and the development of GIS applications (proven through the diploma / certification recognized at national / international level). **Björn has 23 years of experience developing GIS and using GIS software.**
 - Knowledge of the ResQMap GIS system proven by a diploma from the manufacturer. **Björn has 16 years of experience with ResQMap and was one of the original System Architects.**
- Professional experience:
- General professional experience of at least 10 years **Björn has 30 years of experience as a software developer.**
 - Minimum 5 years experience in developing web, desktop and mobile GIS applications and solutions (including multi-user systems) **Björn has 23 years of experience developing a GIS and using GIS software.**
 - Specific professional experience proven by participating in at least two projects that involved maintenance and training activities for GIS solutions, in the field of emergency situations. **Björn has 16 years of experience with ResQMap and 3 years of experience with TLM 39 (Taktisk Lednings Modul).**

Publications
Presentations
Projects
Conferences
Seminars
Honours and awards
Memberships
References
Citations
Courses
Certifications

- Master thesis: Subroutine library for 68HC11, 1990

Project Experience

Project – Region Zealand, Denmark

Scope - Regional deployment of ambulance dispatch system in Denmark

Years - 2017-2018

Role - Software Architect

Project - Valencia 112, Spain

Scope - Regional deployment of 112 system in Valencia, Spain,

Years - 2014-2018

Role - Software Architect

Project – Swedish Maritime, Joint Rescue and Coordination Centre (JRCC)

Scope - National deployment of Search and Rescue (air and sea) system in Sweden

Years - 2014-2015

Role - Software Architect

Project - SOS Alarm, Sweden

Scope - National deployment of GIS system (ResQMap) used by 112 operator in Sweden

Years - 2005-2014

Role - Software Architect

ANNEXES
