

Björn Blomberg

C++ Developer

Software developer with a broad technical profile

Cover Letter

I am looking for roles where C++ is used to build performance-sensitive or system-near software with clear quality requirements. My background in algorithms, C/C++, Linux, and embedded-oriented work means I am most comfortable when I can work close to the technology and understand why a solution behaves the way it does.

Through studies, personal projects, and professional assignments, I have become used to tools and environments that require precision, structure, and technical depth. I particularly value work where testability, resource awareness, and long-term code quality are important parts of the end result.

I want to continue growing in environments where C++ is applied to real engineering problems and where analytical thinking is valued. That is where I believe my profile can contribute most strongly.



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Profile

Björn has a strong profile for C++-adjacent work thanks to both academic training and practical system-level projects. Among the languages in his toolkit, C++ is one of the areas where he has the longest experience, supported by solid knowledge of C, Linux, and how reliable software is built close to the platform.

During his studies, he worked with algorithms, C, and low-level system understanding. Across personal and professional projects, he has used tools such as Bash, Assembler, Git, and Linux on a daily basis. Work around Raspberry Pi, home automation, and a broader embedded interest creates a natural bridge between C++ and more hardware-aware engineering roles.

For C++ positions, Björn brings analytical thinking, strong problem-solving skills, and a willingness to understand the full chain from implementation and testing to the environment where the software will be deployed and maintained.

Work History

Nortic, Fortnox importers 2023/09 to 2024/04

Björn worked on integrating Nortic's internal systems to export transactions to the Fortnox platform.

The solution used AWS services, including Lambda functions and MQTT-based queue flows, to optimize and parallelize the workflow.

He also contributed to Google Wallet and Apple Wallet ticket exports so users could present tickets directly on their devices.

Tekniker: Java, Node.js, TypeScript, JavaScript, Python, HTML, CSS, Git, Bash, Linux, and serverless AWS

CGI, Server Manager Client 2023/08 to 2023/09

Björn was the sole developer for a project that handled server functionality ranging from service monitoring to file retrieval interfaces.

The user interface relied on scalable vector graphics for usability and visual clarity.

Development followed the full CI/CD process from implementation through delivery.

Tekniker: Node.js, TypeScript, JavaScript, Vue 3, HTML, CSS, Git, Bash, Linux, and SVG



Qualifications

- Networking
- Problem-solving
- Software design
- Agile workflows
- Server maintenance
- Linux / Bash
- Assembler AT&T / GNU
- C / C++ / C# / Objective-C
- Java / JavaScript / .NET
- Python / Go
- HTML / CSS / PHP / SQL
- Spring Boot / Gradle
- Unit testing
- Integration testing
- Windows Subsystem for Linux

Tools and Software

- Jira
- Git
- Visual Studio
- Android Studio
- IntelliJ
- Eclipse

Languages

- Swedish
- English

Technical Specializations

- Frontend development
- Backend development
- Linux and DevOps
- CI/CD

CGI, Blekingetrafiken Bus App 2023/08 to 2023/08

Björn handled the entire process from CI/CD and implementation to testing and release.

The application used Blekingetrafiken's API to improve commute planning to and from the CGI office.

Tekniker: Python 3, Git, Bash, Linux, Docker, and Jenkins

CGI, Flexmeister 2023/06 to 2023/08

Björn contributed to a web client and REST API for more efficient flex-time logging and management.

The server side was designed to support future client types without redesigning the core architecture.

The project followed a complete CI/CD workflow.

Tekniker: Python 3, Git, Bash, Linux, Docker, and Jenkins

CGI, Student Project with BTH, Software Developer 2020/02 to 2020/06

Together with his team, Björn built a drawing management system for the navy.

The project used agile workflows and Jira, with implementation in Java, Spring Boot, unit testing, and integration tests.

Tekniker: Java, JavaScript, Spring Boot, Visual Studio Code, Gradle, Git, Jira, unit testing, and integration tests

SIGMA, Web and Software Development 2019/02 to 2019/07

Björn worked with his team on a transportation system for Karlskrona municipality that is used for transport booking.

He contributed as a full-stack developer with an emphasis on testing and front-end development.

Tekniker: JavaScript, Dart, Node.js, Gradle, MariaDB, Azure, Google Cloud, Git, React.js, Maven, and Docker

Sjobeck Prime, Server Manager and Software Developer 2014/01 to 2014/08

Björn set up Linux-based development servers and created iPhone prototypes.

He was also responsible for internal servers and services.

Tekniker: Java, Bash, Objective-C, MySQL, XCode, Linux, Git, and Jira

Simrishamn Municipality, IT Department 2011/03 to 2011/09

Björn developed the municipality's reporting system for home care, primarily in .NET.

Tekniker: MySQL, .NET, JavaScript, Visual Studio, and Git

Crunch Fish, APU and Android App Development 2009/01 to
2010/01

Björn worked on a music-focused Android application and contributed to prototypes for future projects.

Tekniker: Java, XML, HTML, and Android Studio

Education History

Software Engineering Bachelor's degree, Blekinge Institute of Technology 2017 - ongoing

Technical Preparatory Year Bachelor's degree, Blekinge Institute of Technology 2015 - 2016

Java Development Vocational training, 1 year, Malmö 2014 - 2015

Linux System Specialist Vocational training, 2 years, Helsingborg 2012 - 2014

Linux system structure, virtualization and clustering of services, user management in Linux environments, and web server management and maintenance.

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Skills Table

Skill	Years	Proficiency
Technical knowledge		
C++	6	Nivå 3
C	2	Nivå 2
C#	2	Nivå 2
Objective-C	1	Nivå 1
Linux	8	Nivå 4
Bash	8	Nivå 4
Unit Testing	3	Nivå 3
Integration Testing	2	Nivå 2
Load Testing	2	Nivå 2
Assembler AT&T	3	Nivå 3
Azure	1	Nivå 1
Spring Boot	1	Nivå 2
Java	2	Nivå 3
JavaScript	3	Nivå 3
.NET	1	Nivå 1
Python	1	Nivå 2
Go	1	Nivå 1
HTML	8	Nivå 3
CSS	8	Nivå 2
PHP	1	Nivå 1
SQL	3	Nivå 2
Docker	1	Nivå 2
Chat-GPT	1	Nivå 2
MongoDB	1	Nivå 2
PostgreSQL	1	Nivå 2

Skills Table

Bootstrap	1	Nivå 2
Jenkins	1	Nivå 1
Maven	1	Nivå 1
Gradle	1	Nivå 1
Windows Subsystem for Linux	3	Nivå 3

Skill	Years	Proficiency
Application knowledge		
Eclipse	1	Nivå 2
Visual Studio	10	Nivå 3
Android Studio	1	Nivå 2
IntelliJ	3	Nivå 3
Git	5	Nivå 3

Skill	Years	Proficiency
IT disciplines		
System development	3	Nivå 3
Software development	6	Nivå 3
Embedded software development	1	Nivå 3
CI/CD processes	3	Nivå 3
Agile ITIL workflows	3	Nivå 3

Skill	Years	Proficiency
Languages		
Swedish	30	Nivå 4
English	25	Nivå 4

Proficiency level: 1 = Basic, 2 = Intermediate, 3 = Advanced, 4 = Expert