Profile

I am a freshly graduated computer scientist with a keen interest in both frontend and full-stack web development. I have particularly strong TypeScript skills. I have recently relocated from North Karelia to Helsinki seeking to expand my work opportunities.

I am proactive, enjoy solving problems, and thrive in teamwork settings. I have a strong motivation to continuously learn new skills, especially in cyber-security. By nature, I am calm and patient. In my free time, I enjoy photography, disc golf, and motorcycling.

Technical skills

Programming lang.	Skill level	Last in use
TypeScript	Advanced	Currently in use
JavaScript	Advanced	Currently in use
HTML5	Good	Currently in use
CSS	Good	Currently in use
Java	Basic	08/2023

Framework

Node.js	Good	Currently in use
React	Basic	Currently in use
Express.js	Basic	Currently in use

Others

Git	Good	Currently in use
Scrum	Good	Currently in use
Visual Studio Code	Good	Currently in use
Lightroom	Good	06/2023
REST	Good	Currently in use
PostgreSQL	Good	Currently in use

Trainee Academy Group Project

Developed a forum-style web application in a four-person team over three months.

- The application supports user authentication, profile management, real-time chat, and user-generated content (forum posts).
- Backend supports scalable database operations using Prisma and PostgreSQL.
- Admin features for content moderation and user management.
- Integrated Express.js for API routing, Socket.IO for real-time messaging, and Multer for file uploads.
- Used Swagger for API documentation and testing.
  LINK TO PROJECT

Miika Moilanen
Helsinki

Education

Bachelor of Science, Computer Science

University of Eastern Finland (UEF),
2017 - 2024

Buutti Trainee Academy

Buutti Oy,
2023 - 2024, 6 mo

Exchange studies

Kansai Gaidai University (KGU),
Hirakata, Japan,
2019 - 2020, 10 mo

Language skills

Finnish	First language
English	Excellent
Japanese	Moderate

LinkedIn

LINK

GitHub

LINK

Buutti
E D U C A T I O N

Role in Group Project – Backend Developer

Over three months, developed a forum-style web application in a four-person team.

- **API Development:** Built RESTful APIs for user CRUD operations, profile updates, and post management.
- **Routing:** Designed and implemented routes for backend functionalities.
- **Authentication and Authorization:** Implemented JWT-based authentication with bcrypt for secure login and role-based access.
- **Real-Time Features:** Built live chat functionality using Socket.IO.
- **Database:** Designed scalable models and optimized queries using Prisma with PostgreSQL.
- **File Handling:** Enabled image uploads for user profiles and posts using Multer.
- **Admin Features:** Created routes for admin users to manage content and users.

Technologies used: Node.js, Express.js, Prisma, Socket.IO, JWT, bcrypt, Multer, PostgreSQL, TypeScript, Swagger.

Trainee Academy

Dec 11, 2023 - June 11, 2024

Participated in a comprehensive software developer training program organized by Buutti Oy, focusing on web development and essential workplace skills.

- Gained practical experience in JavaScript and TypeScript, from basic data handling to advanced asynchronous operations.
- Built secure APIs using Express.js with authentication features, and technologies like JSON Web Token (JWT).
- Worked with PostgreSQL databases, performing CRUD operations and integrating them into web applications.
- Improved frontend development skills using HTML, CSS, and Bootstrap.
- Acquired full-stack capabilities and readiness to contribute to both backend and frontend projects.

Skill Level Legend

The skill level in this CV has been assessed on a scale: **Advanced - Good - Moderate**

Advanced: Proficient use of the technology, familiar with standard libraries and best practices, experience with multiple third-party tools and frameworks.

Good: Experience from work or projects. Needs some review before writing production-grade code.

Basic: Understands the core concepts and syntax, but requires further practice to be productive.