

Maximilian Hagelstam

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Education

Åbo Akademi – Bachelor of Science, Computer Science

Expected 2027

Experience

Junior Software Developer, Smartum Oy – Helsinki

January 2024 – Present

- Built and deployed a full-stack web app using Remix that enables bike shops to sell products with the Bike Benefit
- Enhanced analytics by building a HubSpot integration microservice with Go, gRPC, and Protocol Buffers
- Spearheaded the development of a digital coupon website, resulting in increased benefit usage
- Implemented the benefit sharing feature for the Bike Benefit using React, TypeScript, Go, and PostgreSQL
- Setup BitBucket pipelines for a React repository that use SonarCloud to verify the code quality, run end-to-end Cypress tests, and use Docker and Kubernetes to deploy the application to Google Cloud

Developer Trainee, Smartum Oy – Helsinki

March 2023 – July 2023

- Designed and developed role editing and benefit viewing features in the internal admin web application using React, TypeScript, Redux Toolkit, and Material UI, resulting in fewer support ticket escalations
- Automated the end-to-end testing of a React application, achieving 80% code coverage using Cypress
- Quickly resolved a critical production bug in the checkout process that prevented customers from ordering benefits
- Refactored and documented the admin application, enhancing code maintainability and simplifying future onboarding

Developer Trainee, Smartum Oy – Helsinki

June 2022 – August 2022

- Collaborated with a team of eight to develop and launch a web application that allows employers to share and manage their employee benefits using React, TypeScript, Figma, and Redux Toolkit
- Resolved regular production bugs and implemented features in existing frontend web applications using Agile methodologies and Jira to prioritize requirements and utilize Bitbucket CI/CD pipelines to rapidly iterate

Freelancer

March 2021 – June 2022

- Completed 23 freelance projects, specializing in fixing bugs and writing automated tests for React applications and Node.js REST APIs using Jest, Mocha, Supertest, and React Testing Library
- Maintained high client satisfaction through clear communication, punctual delivery, and high-quality results

Projects

Cryptocurrency trading platform

github.com/maximilianhagelstam/cryptochimp

- Developed a full-stack cryptocurrency web application with Next.js and TailwindCSS
- Integrated the CoinMarketCap API to fetch current cryptocurrency prices and used CockroachDB for data storage
- Implemented a cron job to generate up-to-date graph data on user portfolio values
- Set up Continuous Integration pipelines to automatically lint code and run unit tests for each pull request

Social media for art

github.com/williamtuominiemi/nft-art-platform

- Co-developed a social media platform for digital art using Next.js, TypeScript, PostgreSQL, and tRPC
- Developed a modern and responsive frontend with pagination, sorting, error handling, and internationalization
- Designed the PostgreSQL database schemas using Prisma, then used Xata to deploy and manage the database

Skills

Programming: JavaScript, TypeScript, React, Go, gRPC, SQL, PostgreSQL, MongoDB, HTML, CSS, Node.js, Next.js

Technologies: Git, Docker, Figma, Jira, HubSpot, Cypress

Languages: English (fluent), Finnish (professional working proficiency), Swedish (fluent), Russian (fluent)