Thijn Kroon

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Profiles

- ThijnK
- Thijn Kroon

Skills

Frontend Development
React, Next.js, TypeScript, Tailwind CSS, JavaScript, UI/UX

Backend Development
Node.js, Java, C#, Haskell, Express, REST APIs, SQL, NoSQL

DevOps
Kubernetes, Docker, Git, CI/CD, Prometheus, Grafana, Cloud Platforms

Quality Assurance
Automated Testing, Puppeteer, Jest, Storybook, JUnit

Collaboration
Scrum, Kanban, Code Review

Languages

Dutch
Native

English
Fluent

Honors & Awards

Graduate Honours Interdisciplinary Seminars
Utrecht University
Oct 2023 - July 2024

Honors program focusing on interdisciplinary research and collaboration.

2nd Place – DAO Global Hackathon
Aragon
April 2023

Awarded 2nd place in the world's largest DAO-focused hackathon for co-developing a DAO starter template.

Summary

Master's student in Computer Science at Utrecht University, specializing in full-stack development and programming technology. Proficient in TypeScript, React, Java, C#, and Haskell, with hands-on experience delivering production-ready web applications, backend services, and automation tools.

Experience

QuickCode   2021 - Present
Freelance Developer

- Deliver custom software solutions for clients.
- Responsible for full project lifecycle: requirements gathering, architecture, implementation, testing, and deployment.
- Technologies: TypeScript, Node.js, React, Next.js, Express, SQL.

Education

Utrecht University   2023 - 2025
MSc Computing Science   Master
Magna Cum Laude (8.61/10)

- Specialization in Programming Technology.
- Relevant courses: Program Semantics & Verification (9.1), Language Based Security (9.57), Cloud & Edge Computing (9.1).
- Thesis: Dynamic symbolic execution for automated Java test generation (8.8).

Utrecht University   2020 - 2023
BSc Computer Science   Bachelor
Magna Cum Laude (8.96/10)

- Completed the selective honors program for high-achieving students.
- Relevant courses: Web Technology (9.3), Databases (8.6), Data Structures (10), Modelling & System Development (9.4), Functional Programming (10), Security (9.7), Concurrency (9.2), Languages & Compilers (9.8), Software Testing & Verification (9.4), Graphics (9.5).

Minkema College   2014 - 2020
E&M with Mathematics B and Informatics   Secondary Education

Projects

Alpha Warden   July 2022 - Present
Discord bot and dashboard

Actively develop and maintain Alpha Warden, a Discord moderation bot trusted by 300+ servers. Built with TypeScript, Node.js, and Next.js.

Publications

Upgradeable diamond smart contracts in decentralized autonomous organizations   Dec 2024
Frontiers in Blockchain
https://doi.org/10.3389/fbloc.2024.1481914

Contributed as a supporting author. Related to bachelor thesis project.