

FirstName LastName

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Education

University of Earth

Bachelor of Science in Computer Science

Sep 2020 – May 2025

Earth

Experience

Software Engineer Intern

Technologies

May 2023 - Sep 2024

Earth

- Maintained a **C#** application deployed on **AWS** Lambda, troubleshooting issues to ensure smooth operation and providing on-call support for it.
- Developed full-stack features for an ad-forecasting platform using Java, Kotlin, Vue.js adding support for new ad campaign functionalities.
- Led initiative to develop an email template tool for the tech communication team, automating JSON formatting and minimization to simplify their workflow.
- Implemented serverless APIs using **AWS** services (API Gateway, Lambda, SNS, SQS), and automated deployments using Terraform.

Teaching Assistant

University of Earth

Sep 2024 - Present

Earth

- Led weekly labs for **80+ students** covering topics including SQLite databases, ER diagrams, and MongoDB.
- Held weekly office hours to provide additional support to students on course material.

Projects

Search Engine - Hacker News



- Created a full-stack search engine application from scratch for Hacker News.
- Indexed **100k** documents and optimized **query performance** while achieving response times under **100 ms**.
- Technologies used: *Golang, React, Typescript, Tailwind, PostgreSQL, Docker.*

Statsify



- Developed a full-stack application using Spotify API to display top artists, songs.
- Implemented the OAuth for Spotify API integration, to access **personalized music data**.
- Built a **CD pipeline** with GitHub Actions and deployed the app on a VM.
- Technologies used: *Kotlin, Java, React, Typescript, Tailwind, PostgreSQL, Docker.*

Open Source contributions

- [p5.js](#): Developed an image scaling feature with support for three scaling modes: contain, cover, and center to this popular JavaScript library with over **15k** weekly downloads.
- [Mauth](#): Improved the UI by adding landscape mode support for a Multi-factor authentication android app.

Java Virtual Machine



- Developed a Java Virtual Machine capable of executing Java code with support for 24 Opcodes covering features such as methods, fields, and arithmetic operations.

Technical Skills

Languages: Java, **C#**, Kotlin, TypeScript, JavaScript, Python, **SQL**, Terraform, HTML

Technologies: **AWS**, JUnit, React.js, Vue.js, **PostgreSQL**, SQS, SNS, RDS, SQLite, Git