

pynappo

San Jose, CA

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EXPERIENCE

Software Development Engineer Intern

Amazon Web Services

May 2025 - August 2025

Bay Area, CA

- Integrated an internal tool in Java to deploy pre-production data processing infrastructure onto personal AWS accounts via CloudFormation, enabling safer testing up to 10 minutes faster than previous testing workflows.
- Resolved a CLI bug by collaborating with the internal tooling team, enabling tool compatibility for our codebase.
- Optimized local development builds by skipping unnecessary tasks, cutting build times by over 60%.
- Authored 5 pages of technical documentation on tool usage, project status, and future maintenance, ensuring long-term sustainability and maintainability.

EDUCATION

San Jose State University

Bachelor of Science in Computer Science – GPA: 3.91

San Jose, CA

Aug. 2022 – May 2025


Related coursework: Data Structures and Algorithms, Information Security, Object Oriented Design, Processing Big Data, Operating Systems, Computer Architecture, Software Engineering, and Database Management Systems.

PROJECTS

neo-tree.nvim  | CI/CD, Lua, Unix/Linux/Windows


December 2024 – Present

- Lead maintainer of one of the largest Neovim file-tree plugins, with 5.2k+ GitHub stars.
- Engineered a robust GitHub Actions CI pipeline, running hundreds of unit and end-to-end tests using the Busted framework to ensure stability across multiple Neovim versions and operating systems.
- Refactored 3,000+ lines of code to be thoroughly type-annotated for improved developer experience.
- Personally resolved 80+ issues - non-ASCII text handling, performance issues, user feature requests, and UI bugs.
- Overhauled Git integration to improve parsing time by >70% and allow for tracking multiple repos at once.

storycraft  | AI/LLM, TypeScript, React, CSS, MongoDB, AWS S3

April 2024

- Led a team of 4 to build an AI interactive storytelling app in 2 days that won “Best AI Hack” at SFHacks 2024.
- Engineered AI prompts for Mixtral 8x7B and Stable Diffusion XL to generate stylized choose-your-own-adventure stories and pictures.
- Wrote a system to summarize previous story points in subsequent prompts, improving story consistency when using LLMs with smaller context windows.
- Implemented our designer’s frontend UI designs from Figma in React components using Tailwind CSS.
- Stored prompts in MongoDB and illustrations in an AWS S3 bucket to automatically save and restore stories.

ProfessorSearch  | SvelteKit, GraphQL, TypeScript, Docker, Python

February 2024 – June 2024

- Developed a SvelteKit web app to provide an improved search and filtering UI for *ratemyprofessor.com* (RMP) data.
- Scraped RMP’s GraphQL API with Python and Postman queries to retrieve updated data across 1000s of schools.
- Wrote a TypeScript service to fetch professor data by school on-demand, improving initial search latency by >90%.
- Integrated Elasticsearch to index 10+ MB of professor data, achieving sub-second search latency.
- Designed a modern frontend UI with shadcn-svelte and Tailwind CSS.
- Containerized the app and services using Docker Compose for consistent local development and deployment.

TECHNOLOGIES

- **Languages:** C#, Java, TypeScript/JavaScript, HTML, CSS (+ SASS/Less), Python, Lua, Go, C, C++, SQL
- **Web frameworks/UI libraries:** React/Next.js, Svelte/SvelteKit, Tailwind CSS, daisyUI, Shovelace
- **Services:** MongoDB, PostgreSQL, Prisma, AWS S3, Elasticsearch, MySQL
- **Tools/OS:** Git, Neovim, IntelliJ, Eclipse, Docker, Postman, Bash/ZSH, Linux/Unix, GitHub Actions

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