

Furkan Ercevik

408.613.7012 | f.ercevik21@gmail.com | github.com/fercevik729 | fercevik.com | linkedin.com/in/furkan-tarik-ercevik

EDUCATION

University of California - Santa Cruz
Bachelor of Science in Computer Science, GPA: 3.95/4.0

Santa Cruz, CA
Sept 2021 – March 2024

TECHNICAL SKILLS

Languages: Python, Golang C/C++, Type/JavaScript, Java, NodeJS, SQL, NoSQL
Frameworks: Next.js, React, Spring Boot, Cypress, Jest, Express, Gorilla Mux, Cobra CLI
Tools: Git, Docker, Vercel, AWS, Azure, Prisma, Linux, Terraform, PostgreSQL, CI/CD, Redis
Knowledge: Agile/Scrum Methodologies, Systems Design, OOP, GraphQL, REST, gRPC, IOC, Concurrency

EXPERIENCE

Software Engineer Golang Intern | *Sony Pictures Entertainment* September 2023 – Present

- Designing a fault-tolerant distributed systems application for cloud archive management.
- Creating gRPC and OpenAPI servers to function as the frontend interface of the application.
- Developed and deployed an Azure Functions application from scratch in a custom runtime for Go, which provided cryptographic functions for large media files.
- Implemented extensive unit, mock, and integration testing to ensure code quality and proper functionality, and 90%+ coverage, using the *testify* library.
- Contributed to the development of an internal Azure library to facilitate key features within the Azure Functions project, and migrated older capabilities.
- Integrated retry, timeout, and exponential backoff logic within serverless client to avoid throttling, leading to 85% faster operations on files with sizes > 10 GB.

PROJECTS

Slug Path | *TypeScript, Next.js, React, React-Query, Agile/Scrum, Prisma, SQL* September 2023 – Present

- Developing an interactive course planner for UCSC students in Next.js and TS with ten other classmates, while employing Agile/Scrum methodologies as Co-Sponsor & Leader.
- Refactored 30,000+ lines of code, improving system and developer performance by 30%.
- Constructed a CI/CD pipeline that caught over 100+ bugs in PR's and enforced consistent style.
- Built responsive components and custom hooks in React, Material/Joy UI, and Tailwind CSS
- Leveraged React-Query to facilitate seamless user interactions with a Postgres DB via Prisma.
- Enhanced user engagement by 20% after implementing authentication and autosaving for planners.
- Shipped the first version 2 weeks ahead of schedule and planning for a formal release in March 2024.

STLKER | *Golang, REST, Redis, PostgreSQL, gRPC, Git, Docker, AWS* March 2022 – October 2022

- Developed a backend application to track securities and user-defined portfolios
- Created gRPC and RESTful APIs in Golang with Swagger documentation and caching
- Utilized the GORM framework to execute complex queries on a PostgreSQL database
- Dockerized the application and deployed it to AWS CloudFormation

ACTIVITIES

CruzHacks 2024 Education Hack Winner January 2024

- Developed HelpMePass, a web application in React, Next.js, and TailwindCSS to assist students with course enrollment, using RateMyProfessor reviews, course information, and AI
- Utilized Langchain to prompt engineer our LLM to provide accurate surveys to students and "pass ratings" based on the scraped data and responses for 90% of CS courses at UCSC.

Launchathon @ Berkeley September 2023

- Pioneered the development and implementation of a subscription plan feature, driving a notable 30% increase in monthly revenue for the meal plan service startup.
- Automated the subscription service, resulting in a significant time-saving of 60% for both users and internal operational processes.