

TECHNICAL SKILLS

Languages: Go, TypeScript, Python, JavaScript, Ruby, Java, C++, C

Frontend: HTML, CSS, React, Next.js, TailwindCSS, Shadcn, Redux, Zustand, Playwright

Backend: PostgreSQL, Redis, ClickHouse, Node.js, Flask, MongoDB, Express, MySQL, gRPC, FX, NATS

DevOps: Docker, Kubernetes, Unix/Linux, xMatters, Vercel, Jenkins

Observability: Honeycomb, OpenTelemetry, Grafana, Prometheus

Tools: VSCode, Git, GitHub, GitLab, Figma, Postman, Jira, Confluence, Slack

EXPERIENCE

Turion Space | Ground Software Engineer | Irvine, CA

Oct. 2024 - Present

- Led and solo-developed a drag-and-drop core interface builder for 2FA-protected commands and telemetry visualizations, cutting operation setup time by over 90%
- Designed services to support both legacy and next-gen MCS integration through modular Go interfaces, implementing a custom solution with Redis Cache and Singleflight to prevent cache stampeding across millions of telemetry data points
- Configured monorepo setups to establish team standards with gRPC Gateway, FX, and Kubernetes
- Developed React UIs and REST APIs for 5 microservices, using Websockets and NATS for inter-service communication, with observability via OpenTelemetry, Honeycomb, and Prometheus
- Automated key satellite operations with Python Celery, such as imagery downlink processing and script execution, reducing manual workload and on-call time by over 50%
- Delivered over 50 high-impact features throughout 3 team projects, including quaternion tasking and image filter UIs, enhancing external user and operator capabilities
- Authored onboarding guides and conducted 20+ interviews, streamlining quality hiring processes

Math and Programming Freelance Tutor

Aug. 2021 - Present

- Guided 30+ students to improve problem-solving skills, long-term understanding, and grades
- Built a loyal customer base through strategic outreach, referrals, and personalized service

PROJECTS

Satellite Telemetry System | Full-Stack Developer

Oct. 2024

- Assigned as a 3-day take-home project and as a way to learn Go, GORM, and PostgreSQL
- Implemented socket and coroutine programming, with long-term scalability and efficiency in mind
- Created a Go API and simulated real-time satellite telemetry generation and retrieval with Python

Headstarter AI | Software Engineering Fellow

Jul. 2024 - Sep. 2024

- Developed 5 projects to deployment on Vercel, leading 2 other fellows using MVC design patterns
- Coached by Fortune 500 engineers on Agile, CI/CD, Git, RAG, and microservice patterns

Valdle | Full-Stack Developer

Aug. 2023

- Collaborated on an agile, SEO-optimized website, driving 33M+ user clicks with Google Analytics
- Developed Python scripts to add features using Valorant's API to web scrape and data mine

EDUCATION

Chapman University

Orange, CA

B.S. in Computer Science, B.S. in Electrical Engineering, minor in Business Administration

May 2024

Cumulative GPA: **4.0**, Summa Cum Laude, Provost's List, Presidential Scholar

Relevant Courses: Data Structures & Algorithms, Data Comm./Computer Networks,

Algorithm Analysis, Database Systems, Data Science, Operating Systems