

Phoenix Gutierrez

Gainesville, Florida, USA. | phoenixgutierrez@pm.me | linkedin.com/in/PhoenixGutierrez | github.com/h1divp

EDUCATION

University of Florida

Jun 2022 – Dec 2026

Bachelor of Science in Computer Science

Gainesville, FL

- Coursework: Data Structures & Algorithms, Operating Systems, Database Systems, Competitive Programming, Programming Language Concepts, Computer Organization
- Minor in East Asian Languages and Literatures (Japanese)

Nagoya University (名古屋大学)

Apr 2024 – Feb 2025

Foreign Exchange Program

Nagoya, Aichi, Japan

- Coursework: Academic Japanese (Kanji 2200), Japanese Linguistics, Japanese Literature and Translation

TECHNICAL SKILLS

Languages: Golang (Go), Java, Python, TypeScript, SQL, Shell (Bash), C++, JavaScript, HTML/CSS

Dev Tools: AWS (IAM/VPC/EKS/ECR/S3), Kubernetes, Crossplane (IaC), FluxCD (GitOps), Conductor, Docker, Github CI/CD, OpenAPI (Swagger), Grafana, Vercel, Linux, Git

Technologies: PostgreSQL, Redis, React, React Native, Node.js, SvelteKit, Nginx, MongoDB, Next.js, Express.js, Jest, Claude Code, OpenCode

Spoken Languages: English (Native), Japanese (Professional Working)

EXPERIENCE

Vobile

May 2026 – Present

Software Engineer Intern | *Kubernetes, AWS, FluxCD, Crossplane, Helm, GitHub Actions, Python*

Los Angeles, CA

- Built a GitOps platform for Conductor workflow orchestration, replacing error-prone Web UI management with version-controlled, CI/CD-deployed definitions and automated backups using Python and GitHub Actions.
- Hardened Kubernetes pod-level security across 8 microservices by replacing a shared AWS service account key with per-service EKS Pod Identity and least-privilege IAM roles, automated via Crossplane IaC.
- Fixed stale IP assignment in VPN-proxy IP rotation tool, enabling 10,000+ daily egress IP rotations across 160 production Kubernetes pods.
- Built custom GitHub Actions runners on AWS EC2 to validate Helm/FluxCD deployments and enable development team to verify production rollout of merged PRs.
- Documented architecture decisions using ADRs to preserve design rationale and tradeoff analysis, enabling faster onboarding and reducing recurring discussions around past infrastructure choices.

SwampHacks Technical Committee

Apr 2025 – Feb 2026

Lead Technical Director | *Docker Compose, Go, PostgreSQL, React, Redis, Cloudflare, AWS*

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- Built an event management and application platform for a 400+ attendee hackathon across a 9-month dev cycle, directing a 5-person engineering team and coordinating with 30+ committee members on product and operational decisions.
- Built async notification engine processing 1,000+ applicant emails (acceptance, rejection, waitlist, reminders) using Async task queues, AWS SES, and QR code generation stored in Cloudflare R2.
- Managed DNS records and configured Caddy reverse proxy with automated Cloudflare TLS for 30+ subdomains.
- Automated CI/CD pipelines across 5 microservices (API, workers, web app, Discord bot) using GitHub Actions with staged dev/prod deployments.
- Designed Go-based admissions engine applying weighted scoring for hackathon teams and individual applicants.

Open Source Club

Sep 2023 – Jun 2025

Lead Software Developer | *React Native, Expo, TypeScript, Firebase, Socket.IO, Jest, Express.js*

University of Florida

- Led development of an open-source React Native chat app, growing the project to 46 GitHub stars and 109 forks.
- Wrote extensive onboarding guide to teach 40+ contributors fundamental development tools (e.g. Git).
- Conducted code reviews for all contributors.

PROJECTS

Ripple | *Docker, Redis, Go, PostgreSQL, SvelteKit 5*

Apr 2026 – Present

- Developed real-time proximity-based messaging platform using WebSockets, Redis GeoSet queries, and Go channels.
- Prevented over-utilization with anonymous cookie-based sessions and sliding-window rate limiter (30 msg/30s).
- Automated releases with multi-stage Docker builds and staging-to-production promotion for safe QA.
- Designed database schema with Goose migrations and Bob ORM code generation for type-safe PostgreSQL queries.