

# AARON MAI

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## EDUCATION

### Portland State University

B.S. in Computer Science

GPA: 3.54, Major GPA: 3.89

Portland, OR

Sep 2020 – Mar 2025

## TECHNICAL SKILLS

**Languages/Frameworks:** Go, C++, C, Python, Flutter, Next.js, PostgreSQL

**Developer Tools:** Git, Jira, Terraform, Datadog, New Relic, Docker, VS Code, IntelliJ, Postman

**Technologies:** Linux, Kafka, K8s, Supabase, GCP, AWS

## EXPERIENCE

### Software Reliability Engineer Intern

Viewpoint Trimble

July 2024 – Present

Lake Oswego, OR

- Implemented **New Relic** dashboards for tracking **Fluentd** log ingress across environments
- Configured webhook-based alerts to **Google Chat** for Fluentd ingress drops and cost alerts
- Backed up all configurations in **Terraform**, applying **Infrastructure as Code** principles
- Automated powershell scripting through **Azure Runbook** to retrieve and convert New Relic events
- Created alert mechanisms based on New Relic ingress data, utilizing the custom objects created through the Azure Runbook process

### Software Engineer Intern

Apex Fintech Solutions

Jan 2024 – July 2024

Portland, OR

- Designed and implemented a standard for the dlq system using **Kafka** across all services
- Operated in an **Agile** environment, utilizing Jira for sprint retrospectives and delivery milestones
- Developed comprehensive unit and integration tests to increase package code coverage to over **80%**
- Enabled Datadog **SQL** integration via **GitOps**, creating a dashboard for real-time monitoring
- Refactored and streamlined suite testing by developing in-memory mocks for interfaces, reducing test execution time and enhancing flexibility in behavior simulation

## LEADERSHIP

### Vice-President

PDX Business Analytics Club

Sep 2024 – Present

Portland, OR

- Organized educational workshops revolving around career development and programming

## PROJECTS

**SalonSpot** | Go, Next.js, PostgreSQL, TypeScript, Docker, GCP, Supabase, Vercel, Postman

[www.getsalonspot.com](https://www.getsalonspot.com)

- Developed a full-stack SaaS solution for nail salon booking management
- Implemented a **Go** backend with **RESTful APIs**, middleware for salon ownership verification, and robust booking logic handling service durations, time zone conversions, and schedule conflicts
- Created a **CI/CD** pipeline using **GitHub Actions**, **Docker**, and **GCP** for automated backend deployment
- Architected a 17-table **PostgreSQL** schema with custom triggers and efficient relation management, implemented via **Supabase**

**HearBat** - Google Solution Challenge (Top 100 Globally) | Flutter, Google Cloud, Firebase, Gemini API

[github.com/chateaumai/HearBat](https://github.com/chateaumai/HearBat) | [Video Demo](#)

- Developed a gamified app with training modules, aiding cochlear implant users in hearing recovery
- Collaborated on a team project, targeting the United Nation's Sustainable Development Goals
- Integrated **Google Cloud's Text-to-Speech API** and **Gemini API** for dynamic content creation
- Collaborated on a team project, targeting the United Nation's Sustainable Development Goals