

Joseph Gefroh

Full-stack software engineer
specializing in **leading teams**.

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Professional Experience

Co-Founder / Principal Software Engineer at HNL.IO

Aug. 2015 - Present

Led team of 2-5 in developing startup's SaaS product. Built a social network and unified event calendar for Hawaii's tech community. Architected and designed system, programmed multiple modules. Managed team, handling conflicts, hiring / firing decisions, and day-to-day operations.

- Developed system with Ruby on Rails, AngularJS, Postgres, and Redis deployed via dokku.
- Programmed modules including job schedules with Resque, payment processing with Stripe, Slack integrations for auto invitations, API integrations with Twitter, Github, Meetup, Eventbrite, organizations with memberships and projects, and others.

Tech Lead / Software Engineer at eWorld Enterprise Solutions

Aug. 2013 - Aug. 2015

Led teams of 2-7 in developing multiple major web applications (contracts valued over \$1,500,000) for enterprise clients. Overhauled organization's engineering practices, greatly improving development quality. Two projects won distinction as best-of-breed ERP replacement solutions.

- Designed and programmed reusable document workflow engines, business rule engines, and authorization engines built on top of a 15+ year old legacy data warehouse systems using Java EE.
- Developed internal front-end component libraries in AngularJS and Google Web Toolkit, achieving reuse in 5+ different projects and saving tremendous development effort.
- Designed and programmed highly configurable timesheet routing software, admin-customizable multi-level authorization systems, and user management software using Java EE.

IT Technician / New Hire Trainer at Hawaii Pacific University

Jan. 2011 - Feb. 2013

Education

B.S. in Computer Science from Hawaii Pacific University

Aug. 2009 - Dec. 2012

- 3.99 GPA, graduated summa cum laude
- Nominated valedictorian by the Department of Math and Computer Science.

Open Source Projects

github.com/jgefroh

- Designed and programmed a **task manager and hourly bucket tracker** with a Java EE REST API and AngularJS front-end (todolist.jgefroh.com).
- Designed and programmed an **arcade game** utilizing Core simulation framework demonstrating immediate-mode rendering techniques and real-time input response using Java (github.com/jgefroh/core-last-stand).
- Designed and programmed an **end-to-end system generator** that scaffolds a functional Java EE/ AngularJS prototype from a domain model (github.com/jgefroh/hog).