

GRAHAM MITCHELL

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Technical Skills

Favorite Languages: Python, Go (golang), Bash, JavaScript, C

Technologies and Skills: Linux, Docker, Flask, RESTful APIs, microservices, MongoDB, AWS

Work Experience

- Expedia Group** – Software Development Engineer III 2021 – 2024
- Maintained 3 Java microservices with attached MongoDB deployed in 80+ k8s clusters
 - Migrated CI/CD pipelines from Jenkins to GitHub Actions and Spinnaker
 - Wrote extensive suite of unit and integration tests for a graph database (Gremlin)
 - Helped maintain Expedia’s Runtime Compute Platform, with 300+ Kubernetes clusters in production
- HomeAway/Vrbo** – Software Development Engineer II 2017 – 2021
- Designed, architected and built Spawn, which reduced developer time to discover and generate starter code from hours to minutes, and increased compliance with tagging and ownership rules
 - Developed SpawnUI, the React frontend for Spawn
 - Managed GitHub Enterprise for 1,200 devs and Cloudbees Jenkins cluster with >100k builds per month
 - Two-year member of the Outreach Committee for the Austin-area Women in Tech affinity group
 - Co-developed and emceed HomeAway’s New Hire Training for Developers, with a NPS of >95%
- Leander High School** – computer science teacher 1997 – 2017
- Developed courses: Object-Oriented Java, Data Structures, Web Development, Video Game Design
 - Taught ~2,000 students mostly Java, but also C++, Python, JavaScript, HTML/CSS and x86 assembly
 - Developed a system to reduce grading time of CS assignments by 4x: Perl to tag and syntax-highlight student work, a single-page JavaScript app to streamline marking and Python to process the results
- Lakeline Church** – worship leader (music director) 1997 – 2010
- Managed a rotation of 15-20 musicians, recruited volunteers for the band
 - The church grew 10x in the first 3 years, partly because the music was good and partly because I was willing to serve for such a low salary

Publications

- [Learn Object-Oriented Java the Hard Way](#)** (book) 2016
Illustrates the object-oriented parts of Java using 50+ complete example programs
- [Learn Java the Hard Way](#)** (book with videos) 2013
Demonstrates how to code with dozens of short, simple programs that build in complexity
I also built both product websites, and coded custom back-end payment handling/product fulfillment

Education

- The University of Texas at Austin** 1997
Bachelor’s Degree, Computer Science