

Contact

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www.linkedin.com/in/seanlavine
(LinkedIn)

github.com/freewil (Portfolio)

Top Skills

PostgreSQL

Node.js

MongoDB

Sean Lavine

Infrastructure Engineering at Digit
San Francisco Bay Area

Summary

Using my knowledge, creativity, and desire to learn more, to build things that work well technically and functionally is a passion for me. I have an entrepreneurial background, have been programming since I was 13, am proactive about improving systems and processes, and am able to add large value to many teams.

Experience

Digit

Software Engineer, Infrastructure

2018 - Present (3 years)

San Francisco, CA

- * Built hybrid cloud MacOS build cluster with dual data center redundancy for iOS app. Improved build speed by 33% and allowed mobile engineering team to grow and scale (AWS Site-to-Site VPN, CodeBuild, Terraform, Ansible, Buildkite, Anka, contract negotiation)

- * Standardized and maintained PCI-compliant build and deployment pipelines for growing number of services (Terraform, AWS CodeBuild, AWS CodePipeline, AWS Lambda, AWS ECS)

- * Added metric instrumentation to improve server performance observability (Golang, Node.js, MongoDB, Redis, AWS ECS, Datadog)

- * Planned, implemented, and operated PCI-compliant vulnerability management program (Terraform, AWS CodeBuild, AWS CloudWatch, Node.js, Golang, Snyk, Slack)

- * Supported and advised engineers in development, build, and deployment processes

Stockpile

Head of Infrastructure

2016 - 2018 (2 years)

Palo Alto, CA

I started off freelancing, hired full-time as a software engineer, quickly promoted to staff, then principal engineer. Technologies: Java, MySQL (RDS), Node.js, Lambda, Kinesis, DynamoDB, Angular.js, Chef/OpsWorks, SQS, CloudWatch, Sentry

- * Built serverless system for graphing portfolio balances over time (full stack with Lambda, Kinesis, DynamoDB, Chart.js)
- * Improved site reliability and uptime
- * Improved build processes and continuous integration pipeline (developer productivity)
- * Introduced error monitoring and log aggregation to support web and platform teams
- * Built stock info modal for financial information (<https://github.com/StockpileInc/stockpile-modal>)
- * Led initiative for Butter-smooth Onboarding UX - sign up and buy stock in 5 minutes or less
- * Developed affiliate campaign feature (full stack) to power growth
- * Improved productivity by linting legacy code

Myself

Freelance Engineer

2015 - 2016 (1 year)

San Francisco, CA

Freelance for early-stage FinTech startups: Digit, Human Interest (YC S15), Stockpile

Vaurum / Mirror

Co-founder and CTO

2012 - 2015 (3 years)

Palo Alto, CA

- * Built bitcoin exchange using Node.js, Redis, PostgreSQL
- * Completed startup accelerator, \$4 million Seed, \$9 million Series A
- * Built backend and worked with design firm to build decoupled frontend in Angular.js
- * Docker-ized development environment for more consistency and to ease engineer onboarding
- * Completed independent security assessment with near perfection
- * Ensured secure transfer of ~\$20 million of bitcoin from US Marshals
- * Recruited and hired engineering team and contractors

YOBI.tv

Software Engineer

2012 - 2012 (less than a year)

Lansing, Michigan Area

- * Fixed vulnerabilities in cookie-based authentication system
- * Optimized page assets for faster loading
- * Offloaded user content uploading (mostly videos) to Amazon S3
- * Built theme-based templating plugin system to optimize content for mobile

US Signal

Software Engineer

2010 - 2012 (2 years)

Lansing, Michigan Area

- * Led PostgreSQL schema design and worked to optimize non-performant database queries
- * Built dynamic tool to track network inventory of various types and attributes
- * Built dispatching and tracking system for field engineers, increasing productivity 50%
- * Worked on team of 5 to build quoting and pricing tool used by sales team, improved quote turn-around time by 30%

Education

College of Engineering and Applied Sciences at Western Michigan University

Bachelor of Science - BS, Computer Science · (2010)