





# Sean Thomas Canavan

## TECH LEAD & FULL STACK DEVELOPER

### CONTACT

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-  Santa Monica, CA

### EDUCATION

**B.S. SOFTWARE ENGINEERING**  
*San Jose State University*  
2009-2013

**MINOR: MATHEMATICS**  
*San Jose State University*  
2006-2009

### EXPERTISE

Software timeline & estimation  
Performance and complexity analysis  
Quickly adapting to new languages  
On-prem to AWS migration  
Serverless architecture  
MySQL vs NoSQL  
Git process advocate  
Debugging and root cause analysis  
Scaling web apps  
Cross-team collaboration

### PROFESSIONAL PROFILE

Full stack developer and tech lead with over 10 years of programming experience and a proven track record leading local, remote, and overseas teams cohesively. Blending a veteran programming and systems design mindset with a strong set of communication skills to build world-class products in highly collaborative and agile environments.

### EXPERIENCE

**TECH LEAD & FULL STACK DEVELOPER**  
*GoGuardian*

09/18 - Current

Technical lead for the Admin product's engineering teams both local and overseas. Led design discussions, cross-team collaborations, and acted as the first point of contact for all technical questions related to the product. Performed feasibility analysis and story point estimation for all significant engineering initiatives.

- Successfully migrated a team to full remote work in response to COVID
- Integrated a full remote team of engineers successfully doubling the team's code output and also raised our NPS score almost 20 points
- Spearheaded process improvement across multiple critical areas including merging, deploying, code review, and code quality
- Principle engineer in charge of hiring, maintaining the engineering culture, and mentoring and teaching interns and new hires
- Designed and scaled a modern web app and microservice infrastructure including a full UI redesign using React/Redux/Node/GoLang

**SOFTWARE ENGINEER**  
*Repost Network*

03/17 - 09/18

Second engineer at a burgeoning tech music startup focused on digital rights management and music distribution for new and upcoming artists. Worked directly with the CTO daily and helped the company grow their userbase 3x, became head of company culture, and performed pivotal hiring duties.

- Lead architect and developer for six microservices all deployed to AWS Lambda including a robust user login service supporting 2FA
- Successfully migrated an acquired startup's entire software stack from a local on-prem deployment to AWS RDS and EBS with zero downtime
- Led database design and systems architecture meetings for new services
- Self-taught Spring Boot and Java EE on the job as well as limitless scaling via AWS DynamoDB and Lambda serverless architecture

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### SKILLS

#### TECHNICAL

System design and code reviews  
GRPC & REST server design  
Server and Database architecture  
Makefiles, build, process automation  
Web app architecture

#### INTERPERSONAL

Verbal and written communication  
Team leadership and motivation  
Safeguarding company culture  
Hiring, internships, mentoring

### LANGUAGES

#### GoLang



#### Java



#### React/Node



#### Python



### INTERESTS

Gaming / Virtual Reality  
NAS  
Linux  
Top 3% Stack overflow contributor  
GitHub & open source contributor

### EXPERIENCE (Continued)

#### CLOUD SECURITY ENGINEER

02/16 – 02/17

*Cisco Systems*

Supported Cisco's private cloud initiative by developing on-prem device tools for managing customers' proprietary software.

- Self-taught GoLang and Git and quickly rose to a senior advocate position for both technologies within the development team of six engineers
- Project utilized complex multi-threaded locks, channels, and go routines to asynchronously manage external processes and their log output
- Built a secure data pipeline using public / private key certificates to transmit logging data to the cloud for analysis and storage

#### SOFTWARE ENGINEER

02/14 – 03/15

*Vaco for YouTube*

Developed automation, data ingestion, and data correction infrastructure for Google Play / YouTube's Movie and TV content teams working for the Business Intelligence division.

- Was the principal developer for an external client-facing Java web app that validated millions of lines of incoming Google Play Movies metadata
- Utilized the YouTube Python API to automatically detect and correct common metadata errors that slipped past manual data entry protocols
- Provided technical training and tools to over 150 data entry employees

#### HARDWARE ENGINEER - INTERN

08/12 – 03/13

*JDSUniphase*

Highly successful summer internship that was extended well beyond its initial three-month period due to massive strides the project made.

- Lead developer for an eight-month C# project starting from initial requirements elicitation and software architecture design all the way to release, feature requests, and support
- Program was designed to display memory maps for embedded devices asynchronously across multiple unique GUI views in real time using the MVC software design pattern and Windows Presentation Foundation

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## TECH LEAD & FULL STACK DEVELOPER

### PROFESSIONAL DEVELOPMENT

EFFECTIVE COMMUNICATION SKILLS  
*Effective Training Solutions*  
2016

CISCO SECURITY NINJA, WHITE BELT  
*Cisco Systems*  
2016

CISCO SECURITY NINJA, GREEN BELT  
*Cisco Systems*  
2016

### EXPERIENCE (continued)

HARDWARE ENGINEER - INTERN  
*SanDisk formerly Pliant*

05/10 – 06/12

Summer internship that began as a simple hardware automation position and burgeoned into firmware testing automation and test data infrastructure design.

- Designed custom automated test suites for enterprise SSD devices to measure power and performance simultaneously over time using Java, Python, and MATLAB
- Implemented a system for collating and uploading test data to a SQL Server database where it hooked directly into a web front-end for management to track

### REFERENCES

AJAY PILLAI  
*Software Engineer | Repost Network*  
512-659-0393

TRAVIS WEST  
*Software Engineer | Cisco Systems*  
832-492-1734