

JEFF CHEN

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📁 EXPERIENCE

Ladder Life — *Head of Security and Infrastructure*

May 2018 - present

- Responsible for overall security posture, including risk management, employee training, and proactive & reactive responses to possible threats
- Directed infrastructure roadmap, including performance, metrics & alerting, and stability
- Collaborated with legal to build a comprehensive infosec program complying with life insurance regulations in all 50 states
- Negotiated contracts and managed relationships with IT and engineering third parties

Ladder Life — *Software Engineer*

Nov 2017 - May 2018

- Enabled real-time metrics by reducing ETL latency from 24 hours to under 10 seconds
- Designed new CI/CD workflow to increase developer productivity and reduce deployment risk
- Set up autoscaling infrastructure to handle traffic spikes of up to 20x baseline

Blend Labs — *Software Engineer*

Feb 2016 - Nov 2017

- Enabled third-party "App Store" by supporting external data stores in the data model
- Directly impacted customer signing by developing several API endpoints and by improving platform performance by over 50%
- Dramatically increased release and developer velocity by automating regression tests and enforcing API contracts across microservices

National Security Agency — *Stokes Scholar*

Jun 2012 - April 2016

- Implemented Linux IMA (Integrity Measurement Architecture) in Android devices using the embedded TrustZone secure environment for trusted boots
- Developed CNE operations tool for collection of computer-to-computer communications
- Wrote utilities for lightweight heuristic-based malware detection

Carnegie Mellon University — *B.S. Computer Science*

Sep 2012 - May 2016

</> SELECTED PROJECTS

- Led development of **eva**, software for an autonomous submarine incorporating computer vision, control systems, and high-level planning
- Created **MiniPlay**, a popular Chrome extension adding functionality to web-based streaming music platforms
- Designed and developed **μCal**, a tiny macOS menubar clock replacement
- Created **espresso**, a deep learning framework designed to produce Caffe-compatible maintainable yet performant code

🔧 SKILLS

Languages Clojure(script) • Javascript/Typescript • Python • C++14 • C • Swift • Java • x86
Technologies Cryptosystem design • *nix kernel development • OpenMP/Open MPI • SIMD • CUDA/OpenCL • OpenCV • Embedded systems
Web MEAN • React • LESS/SASS/CSS • Selenium • Socket.IO • jQuery