

Awards and Certifications

Ping Identity Excellence Award | Capital One TechX Finalist | UC Berkeley Fung Alumni Award
Ping Identity Certified Professional – Ping Federate | AWS Certified Solutions Architect | CompTIA Security+

Technical Skills

Java | JavaScript | Python | Reactive and Event-Driven Programming
Build Tooling | Automated Quality Assurance | Automated Deployments | Cloud | Software Architecture
TLS | HTTPS | SOAP | OAuth2 | OpenID Connect | SAML | FIDO2 | Access Control

Experience

Lively, Inc.

May 2022 – Present | San Francisco | Full Time

Software Engineer

Platform and Card Services

- ⊕ Designed and implemented application security improvements (mTLS, SNI, Secrets Management, AWS IAM).
- ⊕ Demonstrated versatility by delivering product features across the technical stack (Typescript, Postgres).
- ⊕ Elevated security of debit card systems integrations (Visa DPS, Fiserv).
- ⊕ Drove operational excellence by collaborating with devops, security, and business managers.
- ⊕ Enhanced observability by leading a transition from Datadog to Splunk (SIEM).
- ⊕ Acquired specialized knowledge of Splunk, Docker, and Card Security, acted as SME in these areas.

Fannie Mae

Jan 2022 – May 2022 | Reston, VA | Full Time

Software Engineer

Mortgage Commitment and Delivery

- ⊕ Fortified mortgage commitment and delivery by architecting secure features across multiple Java applications.
- ⊕ Established reliable and secure enterprise messaging by leveraging JPA, JAX, and Tibco EMS.
- ⊕ Elevated software delivery and fortified security posture by skillfully leveraging enterprise Gradle integrations.

Capital One

Feb 2019 – Jan 2022 | McLean, VA | Full Time

Software Engineer → Senior Software Engineer

Workforce Authentication and Machine Learning as a Service

- ⊕ Pioneered cutting-edge machine learning for Capital One's MLaaS, fortifying data confidentiality and integrity.
- ⊕ Orchestrated an award-winning deployment of PingFederate with robust enterprise integrations.
- ⊕ Spearheaded an exploratory StrongKey FIDO2 Server (SKFS) deployment for passwordless authentication.
- ⊕ Dramatically reduced cost by over 90%, maintaining stringent security standards and seamless user experiences.
- ⊕ Provided expert integration support and on-call incident response.
- ⊕ Drove the widespread adoption of authentication best practices across 1100+ business applications.
- ⊕ Led the seamless implementation of devops, source control, and AWS well-architected framework.
- ⊕ Fostered a collaborative environment to address key technical challenges effectively.

Clover Health

Aug 2018 – Jan 2019 | San Francisco, CA | Full Time

Data Operations Coordinator

Provider Data

- ⊕ Verified, investigated and resolved provider data quality issues.
- ⊕ Exemplified operational excellence by actively participating in data model review sessions.
- ⊕ Engaged technical team to promote collaboration and cross-functional communication.

Education**UC Berkeley**

Jun 2017 – Jun 2018 | Berkeley, CA | Full Time

Master of Engineering, Industrial Engineering and Operations Research

- ⊕ Completed interdisciplinary team projects in business and engineering.
- ⊕ Completed coursework in data science, probability, and optimization analytics.
- ⊕ Improved detection of arrhythmias in electrocardiogram data.

UC Santa Barbara

Jun 2014 – Jun 2016 | Santa Barbara, CA | Full Time

Bachelor of Science, Statistical Science

- ⊕ Completed core coursework in probability modeling, statistical data analysis, and experiment design.
- ⊕ Completed elective coursework in data mining, time series, formal languages, and graph/network theory.

City College of San Francisco

Jun 2012 – Jun 2014 | San Francisco, CA | Full Time

Associate, Mathematics

- ⊕ Completed general education in science, language, and arts.
- ⊕ Tutored mathematics from arithmetic through multivariable calculus for the CCSF Learning Assistance Center.
- ⊕ Planned and executed lecture events on behalf of the CCSF Math Club.