

Awards and Certifications

Ping Identity Excellence Award | Capital One TechX Finalist | UC Berkeley Fung Alumni Award  
Master of Engineering | Ping Identity Certified Professional – Ping Federate | CompTIA Security+

Technical Skills

API Design | Cost Analysis | Relational Data Modeling | Statistical Data Modeling | Optimization Analytics | Enterprise Identity  
Build Tooling | Automated Quality Assurance | Automated Deployments | Cloud | Data Engineering | Access Control  
Airflow | BigQuery | Splunk | Docker | Looker | Grafana | PingFederate | Okta | Github  
TLS/mTLS | HTTP/S | Tunneling/Proxy | SOAP | OAuth2 | OpenID Connect | SAML | SCIM | SCEP | FIDO2  
Java | JavaScript/TypeScript | Python | Golang | LookML

Experience

|   |  |
|---|--|
| Etsy  | Sept 2024 – Present   San Francisco   Full Time                  |
| Senior Security and Software Engineer   | Enterprise Security and Access Management                        |
| <ul style="list-style-type: none"><li>⊕ Implemented operational device trust program for over 2000 Mac OS and Windows devices in workforce fleet.</li><li>⊕ Designed and implemented a data pipeline for admin access usage, resulting in 10% of permissions being revoked.</li><li>⊕ Designed and implemented a data pipeline for Okta System Logs, resulting in data-driven insights for 3 projects.</li><li>⊕ Developed automated process for compliance tooling, saving hundreds of thousands of dollars in labor costs.</li></ul>  |  |
| Lively, Inc.  | May 2022 – Sept 2024   San Francisco   Full Time                 |
| Software Engineer   | Backend, Platform, and Integrations                              |
| <ul style="list-style-type: none"><li>⊕ Implemented backend APIs for mobile, resulting in 4.9 stars at over 4500 ratings, an industry leading achievement.</li><li>⊕ Collaborated with product marketing team to deliver affiliate partnerships for B2B referrals using Impact Radius.</li><li>⊕ Under emergency conditions, implemented a simple detection algorithm which saved thousands of dollars of daily.</li><li>⊕ Enhanced confidentiality and integrity of third party integrations using SAML, SFTP, and tunneling HTTPS/mTLS.</li><li>⊕ Drove foundational software engineering advancements, elevating culture, cohesion and operational excellence.</li></ul> |  |
| Fannie Mae  | Jan 2022 – May 2022   Reston, VA   Full Time                     |
| Software Engineer   | Mortgage Commitment and Delivery                                 |
| Capital One   | Feb 2019 – Jan 2022   McLean, VA   Full Time                     |
| Software Engineer → Senior Software Engineer  | Workforce Authentication (SSO) and Machine Learning as a Service |

Education

|   |   |
|---|---|
| UC Berkeley   | Jun 2017 – Jun 2018   Berkeley, CA   Full Time      |
| Master of Engineering, Industrial Engineering and Operations Research |   |
| UC Santa Barbara  | Jun 2014 – Jun 2016   Santa Barbara, CA   Full Time |
| Bachelor of Science, Statistical Science                              |   |