

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	