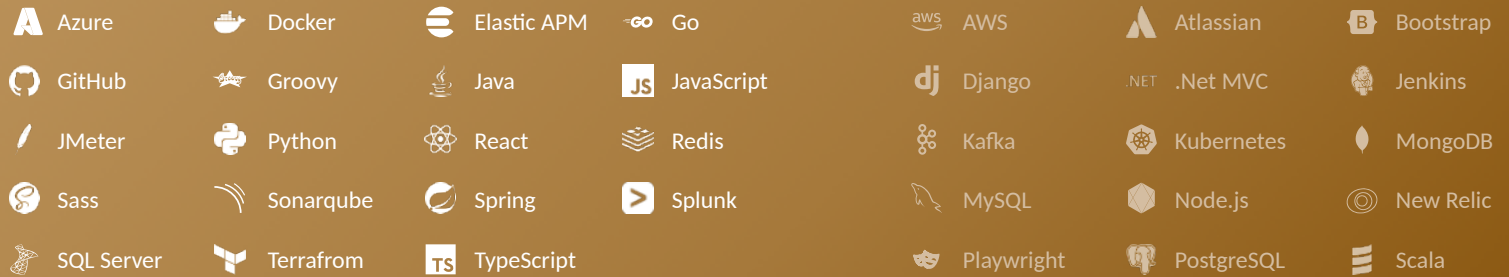## PROFESSIONAL **SUMMARY**

- Technology leader specializing in enterprise security and identity platforms, with a strong background in architecting and deploying highly resilient, cloud-native authentication systems across distributed environments.
- Key strengths include strategic thinking, mentoring and team leadership, and a strong ability to drive process automation through Infrastructure-as-Code and CI/CD practices. Adept at translating complex business challenges into secure, data-driven solutions that are both scalable and operationally efficient.
- Experienced in guiding teams across the entire software development lifecycle—from early technical architecture discussions and agile planning to delivery, performance monitoring, and ongoing team development. Passionate about creating environments where individuals are empowered to succeed and contribute meaningfully to business outcomes.

TECHNICAL **SKILLS**

Azure	Docker	Elastic APM	Go	AWS	Atlassian	Bootstrap
GitHub	Groovy	Java	JavaScript	Django	.Net MVC	Jenkins
JMeter	Python	React	Redis	Kafka	Kubernetes	MongoDB
Sass	Sonarqube	Spring	Splunk	MySQL	Node.js	New Relic
SQL Server	Terrafrom	TypeScript		Playwright	PostgreSQL	Scala

MY **TIMELINE**

Principal Engineer/ Lead Software Engineer, UnitedHealth Group   June 2021 – Present

- Leading UHG's machine identity governance initiative, establishing a comprehensive asset inventory and defining organizational controls to ensure compliance with evolving security policies and IAM best practices.
- Lead a globally distributed team to architect, build, and scale UHG's Machine Identity Platform, enabling secure service-to-service communication for tens of thousands of APIs as part of the enterprise-wide Healthcare Platform API Management initiative.
- Drove end-to-end technical and strategic planning, including quarterly roadmapping, agile execution, solution design, cross-functional alignment, hiring, onboarding, stakeholder engagement, UX collaboration, and release governance.
- Lead, designed and deployed a resilient, multi-region machine-to-machine Identity Provider using OAuth 2.0, leveraging Azure services such as Front Door, Application Gateway, and Container App. Seamlessly migrated the platform from AWS with zero customer disruption, enabling a scalable SaaS solution that meets business MBOs of 99.99% uptime and peak performance exceeding 3,000 transactions/sec.
- Spearheaded a full-scale infrastructure automation effort, implementing Infrastructure-as-Code (IaC) practices using Terraform on Azure —reducing deployment errors by 80% and enabling reproducible environments across dev, staging, and production.
- Improved CI/CD velocity 3x by building modular GitHub Actions workflows and Terraform Cloud pipelines, ensuring reliable, secure, and environment-aware deployments across teams.
- Hired, onboarded, and mentored, and managed developers and technical stakeholders, supporting product integrations through hands-on training, shadowing, and detailed technical documentation.

Lead Software Engineer, UnitedHealth Group   Feb 2021 – July 2021

- Led a cross-functional team to migrate and modernize the Infectious Diseases Platform from an on-premises environment to Azure— achieving 99.99% uptime and 5x improvement in data processing turnaround—enabling faster, more reliable analysis of flu and COVID-19 trends for internal stakeholders.
- Drove full lifecycle execution—including quarterly planning, agile ceremonies, technical design, implementation, UX collaboration, code reviews, release coordination, and stakeholder engagement—ensuring alignment across engineering and business teams.
- Championed best practices in cloud infrastructure automation, application security, and data governance, laying the foundation for long-term platform scalability and compliance.
- Hired, onboarded, and mentored developers and technical partners through structured documentation, hands-on guidance, and knowledge-sharing sessions to accelerate ramp-up and product integration efforts.

Senior Software Engineer, UnitedHealth Group   April 2015 – June 2021

- Collaborated to built and scaled a cloud-based data mastering platform to consolidate and enrich healthcare entities such as patients, providers, payers, and practices—enabling cleaner data and better decision-making across the enterprise.

- Collaborated to implemented a rule-based distributed matching engine to accurately link healthcare records from disparate systems, handling millions of records across both batch and streaming pipelines.
- Partnered with over 6 cross-functional teams across the globe to support high-impact use cases including health system planning, patient care coordination, and consumer outreach—driving measurable improvements in patient outcomes.
- Advocated for and implemented best practices in cloud infrastructure automation, application security, data governance, and stewardship to ensure long-term platform sustainability and compliance.
- Actively mentored new developers and technical stakeholders, leading hands-on training sessions and creating technical documentation to accelerate onboarding and ensure smooth product integration.

Software Engineer, The Advisory Board Company (UnitedHealth Group)　　　　　　　　　　**Dec 2013 – Mar 2015**
- Developed and maintained a user facing website and backend web services to deploy web applications for single and multi-tenant SaaS products within the company.
- Empowered 4+ product teams easily scale their SaaS offerings to hundreds of health systems, maintaining their service-level agreements.
- Enhanced the single sign-on platform by adding new functionalities and improving on existing testing infrastructure.
- Demonstrated ownership by handling numerous product integrations on the single sign-on platform by collaborating with team leads, developers, testers, and business analysts.

Associate Software Engineer, The Advisory Board Company (UnitedHealth Group)　　　　　　　**Sep 2012 – Nov 2013**
- Collaborated with product management, user experience, engineering, quality assurance, and business analyst teams, as well as business stakeholders to evangelize, organize, and develop a single sign-on platform using SAML 2.0 protocol.
- Worked with 10+ internal product teams to replace their ad-hoc password protection policies by migrating them over to the single sign-on platform using stateless RESTful web services combined with an intuitive workflow application. This enabled end users of the system to have a more secure and unified experience with numerous SaaS offerings. This implementation supported federated single sign-on experience for configured clients.
- Ensured robustness and reliability of the application by building testing frameworks which eased extensibility of unit, integration, functional, and regression tests and supported test-driven development.

Master of Science in Computer Science　　　　　　　　　　　　　　　　　　　　**Graduated**: Aug 2012
　　　Texas Tech University, Lubbock, TX