

Computer engineer and technical leader skilled at turning complex technical requirements into working systems. I understand the problem space, come up with clear solutions, and own the outcome from initial architecture review through deployment to production. I focus on secure development, technical clarity, and helping teams turn good designs into production systems. *From my last annual review:*

Erik partnered closely with engineering teams to translate complex security concepts into clear, actionable guidance, consistently closing the loop on open items and helping teams understand gaps, risks, and required controls. His ability to bring clarity, mentor others, and maintain high-quality security processes contributed meaningfully to our success.

Experience

Dell Technologies – Security Champion (2024 – Present)

- Improved product security posture by replacing insecure MFA implementation with mutual TLS.
- Led security team of 3 performing high-impact work such as updating threat-models and pentesting.
- Decided the scope of remediation effort for release-blocking vulnerabilities, partnering with 7 engineering teams to resolve them within 2 days, and other high-severity issues within 30.
- Drove organization-wide adoption of database and connection encryption standards.
- Accelerated integration test-writing by 5x by switching from an in-house framework to TestNG.
- Automated CI/CD pipeline checks to ensure shipment without known vulnerabilities.
- Mentored team member individually to successful full autonomy of my role prior to paternity leave.
- Leveraged Agentic AI as a defense-in-depth static code analysis tool, filing corresponding Jira defects.

Dell Technologies – Senior Software Engineer (2021 – 2024)

- Drove architectural decisions during a VP-sponsored tech evaluation, unblocking 25 engineers.
- Created network and sequence diagrams for new project which remained authoritative for 2 years.
- Architected integration between Dell OpEx and CapEx platforms with incompatible user models.
- Developed a reusable abstraction library to encapsulate common cloud and keystore operations in microservices, adopted outside of my team into 4 services.
- Interviewed and recommended 4 candidates for hire who became high performers.
- Modeled Temporal workflows to achieve a secure cloud-native integration of automated storage system deployment across AWS and Azure environments with zero outages (*Dell APEX Navigator*).

Dell Technologies - Software Engineer (2019 – 2021)

- Designed backend microservice-based orchestration engine for automated data mobility.
- Standardized teamwide distributed locking strategy to prevent split-brain scenarios.
- Integrated new identity management solution into legacy web application.

Credentials

Skills: Agentic AI | Git | Linux | Agile | Jira | SDLC | Postgres | MongoDB | Redis | Jenkins | Temporal | Checkmarx | Blackduck | Docker | Kubernetes | Distributed Systems | Zero Trust Networking | REST | Python | Java | SQL

Education: Purdue University, Computer Engineering, May 2019 | Honor Roll x2

Certifications: Google People Management Essentials | Dell Blue Belt Security | Instrument-Rated Private Pilot

Awards: Dell Technologies Chairman's RSU Awardee x2