

Thomas Hanover

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https://tomhanover.com

Education

Boston University
MS, Computer Information Systems
May 2019

Boston University
MS, Leadership
Dec 2015

Rensselaer Polytechnic Institute
BS, Materials Engineering
May 2009

Certifications

Associate AWS Solutions Architect
Feb 2023

Results-driven software engineer with 6+ years of hands-on engineering expertise and a decade of cross-functional technology experience spanning software development, cloud architecture, and IT risk management. Deep expertise in AWS, full-stack development (React, Node.js, TypeScript), and DevOps practices with a proven track record of leading teams through large-scale migrations and automation initiatives. Thrives in collaborative environments while fostering engineering excellence, knowledge sharing, and continuous innovation.

Experience

Travelers June 2024 - Present
Software Engineer II, BSI ML Strategic Platform
Hartford, CT

Senior engineer on AWS-based integration platform, architecting full-stack solutions using React, Node.js, TypeScript, .NET and AWS services. Mentors engineering peers through code reviews, technical challenges, and best practice adoption while collaborating with COEs and business stakeholders.

- Architected Observability Dashboard from ground up using React and Travelers Design System, providing real-time monitoring; become a critical tool for deployment verification and troubleshooting
- Built comprehensive TypeScript automation tooling that eliminated manual testing processes, automated Postman collection generation, and implemented proactive configuration linting
- Designed cost-effective AWS infrastructure using Terraform and IaC best practices, refactoring enterprise modules for team needs while contributing back to shared repositories; led team's inaugural Travelers Engineering Platform adoption
- Centralized configuration management by creating reusable Node.js applications that simplified and removed redundant code

Fidelity Investments Oct. 2019 - June 2024
Principal DevOps Engineer, Asset Management Tech.
Boston, MA

Senior engineer in Equity Trading Technology. Developed and maintained large-scale solutions for a portfolio of ~300 applications deployed in AWS. Deep expertise with tools and platforms such as AWS, Kubernetes, Docker, Jenkins, Artifactory, Github, Concourse, and Datadog as well as multiple programming languages including Typescript, Python and Shell Scripting. Regularly conducts troubleshooting and resolving of incidents for a highly complex and critical trading system.

- Architected and implemented project to transition 130 apps from EC2 to EKS
- Developed NodeJS based automation solution utilizing the Datadog API to manage a large inventory of monitors and dashboards
- Built custom Serverless API to store relevant data required for large-scaled automation

Fidelity Investments Feb. 2017 - Oct. 2019
IT Audit Manager, Corporate Audit
Boston, MA

Responsibilities included the planning, execution and performance of internal IT audits. Assessments included topics such as large scale cloud migrations, DevOps processes and governance, CI/CD pipelines, infrastructure, networks, applications, databases, cryptocurrencies, and blockchains.

RSA Security Sept. 2015 - Feb. 2017
Principal Analyst, IT Governance, Risk and Compliance
Bedford, MA

Responsible for reviews of RSA's global computing environment, including IT infrastructure, systems, network, data stores, security technology, IT operations, business systems and applications.

EY Sept. 2013 - Sept. 2015
Senior Consultant, IT Risk and Assurance
Boston, MA

Led teams through complex IT risk projects, including SOC reporting, SOX compliance audits, and vendor risk management projects.

US Air Force (Active Duty) May 2009 - Sept. 2013
Captain (O-3), Logistics Readiness
Hanscom AFB, MA

Managed logistics teams. Multiple temporary assignments world-wide including deployment in Operation Enduring Freedom.