David J. Westgate

Computer Science M.Sc.

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Education

Master of Science in Computer Science, GPA: 3.91   Sep. 2023 - Mar. 2025
Cybersecurity Graduate Certificate
Portland State University. Portland, OR
Applicable courses:

Internetworking Protocols	Reverse Malware Eng.	Software Engineering	Operating Systems
Security (Networking, IoT)	Generative Security Apps	Rust (Embedded, Web)	Computer Architecture

Bachelor of Science in Computer Science, GPA: 3.39   Jan. 2015 - Jun. 2018
Portland State University. Portland, OR

Associate of Science in Computer Science, GPA: 3.5   Sep. 2011- Dec. 2013
Quinsigamond Community College. Worcester, MA
Dean's list

Experience

Software Developer, ToolBelt   Apr. 2021 - Sep. 2023; Jun. 2024 - Sep. 2024
- Inherited maintainer role of React Native mobile application, Java Springboot API and MySQL database
- Architected and developed NextJS+React web application to serve residential construction industry
- Modernize and scale application stack with AWS infrastructure
- Mentored junior developer and trained team on the application stack prior to leaving.

Technology Implementation Lead, Green Zebra Grocery   Jun. 2014 - Aug. 2020
- Lead projects focused on automation using Asana
- Administrator of UCaaS phone system for all locations
- Solved 50+ IT tickets using Spiceworks
- Data entry and administration for Loyalty Program

Projects

Full Stack Migration, Group Project, Toolbelt   Feb. 2023 - Jul. 2023
- Toolbelt application scalability was constrained as API, database and filesystem all existed on a single ubuntu host
- Migrated MySQL database to dedicated AWS relational database (RDS) now using MSSQL and liquidbase
- Migrated file system of user uploaded images to AWS Elastic File System (EFS)
- Containerized existing Java Springboot application for horizontal scalability

Applicant Recap Web Application, **Group Project,** Toolbelt   Jul. 2022 - Oct. 2022
- Contractor users of Toolbelt required a web application to post projects which did not yet exist
- Converted requirements from business and responsive designs to actionable Jira tickets
- Iteratively built and deployed application features allowing users to onboard, post projects and manage job applicants
- Wrote majority of code contributions for React application, Java Springboot backend, and SQL schema changes
- Code reviewed, provided feedback for, and approved other team member contributions

Biometric Authentication System, **Individual project,** Toolbelt   Sep. 2021 - Nov. 2021
- Toolbelt mobile app biometric login system in production contained a vulnerability which required re-architecting.
- Developed Java APIs utilizing asymmetric key cryptography and timing safety
- Implemented React Native and MySQL changes resulting in a seamless, secure biometric login flow.

New Store Opening, Group Project, Green Zebra Grocery   Jan. 2020 - Feb. 2020
- New retail location openings require months of planning and extensive support from IT department
- Worked closely with IT director to ensure technological success of hardware and software deployments
- Setup and configured new devices including PoS terminals, VOIP business phones, printers, employee workstations, digital scales, handheld devices, security cameras, wireless access points and network switches.

Technology Summary

JavaScript/TypeScript, React + Native, IaC (Terraform, Pulumi), AWS (EC2,ECS,EFS,RDS), Gitlab CI/CD, Java, HTML, (S)CSS, Windows, MacOS, Android, SQL, GNU/Linux, Rust, C/C++, Git, Assembly (x86, arm), embedded systems, Scala

Recognition

Eagle Scout - Boy Scouts of America   Nov. 2012
Troop 107, Grafton MA