

Richard Mosley

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SUMMARY

Results-driven Senior Software Engineer with over a decade of experience designing and delivering scalable, secure, and cloud-native platforms across healthcare and enterprise environments. Proven track record leading cross-functional teams, architecting microservices-based systems using Domain-Driven Design utilizing both AWS and Azure with Terraform and CloudFormation. Passionate about mentoring teams, solving complex technical challenges, and building high-performing platforms.

WORK EXPERIENCE

YPrime

Malvern, Pennsylvania

Senior Engineer

Feb 2022 - Dec 2024

- Developed advanced clinical study software utilizing the Microsoft technology stack, including .NET, Azure, MS SQL, and Angular.
- Designed and implemented multi-tenant OAuth authentication using Auth0, enhancing secure and seamless tenant switching for users.
- Integrated Role-Based Access Control (RBAC) with Oso Cloud, facilitating secure and easily configurable access management.
- Partnered with technical leadership across teams to diagnosed and resolved complex technical issues, improving system stability and performance.
- Mentored development teams in cloud architecture, microservices, and Domain-Driven Design (DDD), promoting technical excellence and efficiency.
- Migrated a platform from AWS to Azure using Terraform, achieving seamless deployment with minimal downtime and improved resource efficiency.
- Collaborated with cross-functional teams to ensure technical understanding and alignment with project requirements.

Tryl (startup aquired by YPrime)

Portland, Oregon

Principal Engineer

Jan 2021 - Feb 2022

- Architected and developed a clinical study startup platform from concept to an enterprise-level product, leading to its acquisition for over \$10M. As the primary architect, designed and implemented the AWS infrastructure using CloudFormation, ensuring scalability and robustness.
- Designed and implemented a Domain-Driven Design (DDD) architecture for scalability, modularity, using .NET, AWS PostgreSQL, and Angular frontend.
- Built a globally deployable cloud infrastructure using AWS services, optimizing for enterprise demand scalability and cost efficiency.
- Implemented security policies and features in accordance with NIST SP 800-53 R5, achieving 80% compliance with healthcare industry standards.
- Conducted in-depth analysis and integration of AWS technologies, resulting in a 30% increase in product performance and a 20% reduction in operational costs.
- Collaborated with stakeholders and investors to deliver high-impact demos, securing funding and contributing to successful acquisition.
- Configured AWS tools using CloudFormation for a robust CI/CD pipeline that automated build, test, and deployment processes from GitHub.

SKIDATA

Portland, Oregon

Senior Engineer

Aug 2017 - Jan 2021

- Architected a scalable and customizable software platform leveraging AWS and ASP.NET technologies including .net core, Lambda, SQS, and Kubernetes, tailored to meet diverse client needs.
- Led and mentored a team of six developers, providing technical guidance and mentorship to deliver complex custom integrations and core platform features effectively.
- Provided detailed API and technical guidance to third-party clients and development teams, enhancing their utilization of the Loyalty platform.
- Analyzed and optimized database performance, resulting in a 75% improvement in page load times and increased system efficiency.
- Collaborated with stakeholders to translate their business requirements into actionable development plans, ensuring architecture alignment with business requirements.
- Documented technical processes and solutions, facilitating knowledge transfer and efficient onboarding for new team member

Software Engineer

Jan 2014 - Aug 2017

- Developed and maintained a scalable Customer Loyalty platform, optimizing performance to support over 1 million users, including clients such as the Portland Trail Blazers, Miami Dolphins, and West Edmonton Mall.
- Designed and implemented integrations with NCR Quest and Micros POS systems, enhancing payment processing workflows and reward accrual mechanisms to boost customer engagement.
- Utilized New Relic Insights to create real-time dashboards and set up automated alerts, ensuring high system availability and rapid issue resolution.

EDUCATION

ITT Tech

Portland, Oregon

Bachelor's Degree, Computer Science in Digital Entertainment and Game Design

CERTIFICATIONS

AWS Principles of Cloud Architecture

Brent Ozar Fundamental Performance Classes, Mastering Index Tuning, Mastering Query Tuning

SKILLS

Visual Studio • Visual Studio Code • C# • SQL • PostgreSQL • Entity Framework • Angular • JavaScript • Terraform • CloudFormation • Cloud Computing • Docker • Cloud Architecture • Domain-Driven Design • Abp • Microservices • Redis • Aws • Azure • Dapr • Rest • Api • Auth0 • Oso • OAuth • Identity Provider • MS SQL • GitHub • New Relic • Elk • Elasticsearch • Solution Architecture • Problem-Solving • Network Security • Team Leadership • Communication • Containerization • Kubernetes • Agile Methodologies • DevOps • Enterprise Architecture • Strategic Planning • Technical Leadership • SaaS • Systems Architecture • Roadmaps • .net • dot net • ASP.Net • .NET Core • Typescript • Microsoft Copilot • Anthropic's Claude Code (AI) • Github Copilot