Matthew Meade

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Software Engineering Lead with 7 years of experience architecting and delivering scalable, cloud-native applications in fast-paced startup environments. A product-focused leader skilled in guiding teams, mentoring engineers, and optimizing systems for performance, cost, and reliability. Expert in modern full-stack development with TypeScript and serverless architecture on AWS.

Skills

- **Architecture and System Design:** Cloud-Native Systems, Serverless and Microservice Patterns, API Design and Versioning, High-Volume Data Ingestion, Scalability and Reliability.
- **Backend Development:** TypeScript, Node.js, PHP, Express, Laravel, SQL (PostgreSQL, MySQL), NoSQL (DynamoDB, MongoDB), Database Schema Design, Performance Tuning.
- **Frontend Development:** React, TypeScript, Jest, Modern UX Patterns (Optimistic Updates, Pre-loading).
- **Cloud and DevOps:** AWS (Lambda, SQS, SNS, EC2, RDS, S3), Infrastructure as Code (IaC), CI/CD Pipelines, Containerization (Docker), Monitoring and Observability (Datadog, CloudWatch).

Professional Experience

Software Engineering Lead, HeyOrca   Jan 2025 – Present
Senior Software Developer, HeyOrca   May 2022 – Jan 2025

- Spearheaded an AWS cost optimization initiative across the entire cloud infrastructure, identifying and executing changes across S3, RDS, and EC2 that reduced quarterly cloud spend by 30%, doubling the original executive goal.
- Systematically improved database performance by optimizing legacy queries for 10-100x performance gains and reducing critical endpoint latencies from minutes to under 2 seconds, which enabled a significant reduction in RDS instance size and cost.
- Engineered and executed the migration of a legacy notification system to a third-party service, scaling to 500k+ daily notifications and creating a framework that reduces new feature implementation time by days.
- Drove the technical design for major projects by authoring RFCs and decision records, analyzing trade-offs, and aligning technical and non-technical stakeholders on architectural direction.
- Collaborated with engineering and product leadership to define and execute quarterly company-wide OKRs, aligning team priorities with strategic business goals.
- Architected a scalable community management platform ingesting over 2 million webhook events per day, designing for high reliability and compliance.
- Owned the full product development lifecycle from technical planning and estimation with product, through implementation and QA, to final release with progressive rollouts and post-launch maintenance.
- Enhanced application usability and perceived performance by implementing modern front-end patterns such as optimistic updates and pre-loading.
- Enabled proactive issue detection and data-driven quality improvements by developing a comprehensive Datadog dashboard to track application performance and exceptions.
- Directly mentored and onboarded junior developers to accelerate their ramp-up time.
- Delivered monthly 'Tech Talks' to elevate the team's technical skills and code quality.

Software Developer, Radient360   April 2019 – May 2022

- Led the migration of a legacy ASP.NET application to a modern NodeJS/React stack, a strategic initiative to unblock feature development, improve application performance, and increase developer velocity.
- Re-architected the core authentication service migration to AWS Cognito, enabling the product's transition from an inefficient single-tenant deployment model to a scalable, multi-tenant SaaS architecture.
- Introduced Infrastructure-as-Code using Ansible to automate server maintenance and deployments, replacing a manual process to significantly improve system reliability and reduce deployment errors.
- Containerized all MERN stack applications using Docker, standardizing development and production environments to streamline the deployment pipeline and enable future orchestration with Kubernetes.

Education

Programmer Analyst (Business) Co-operative Diploma
College of the North Atlantic

Certifications
- AWS Certified Solutions Architect – Associate (SAA)
- AWS Certified Developer – Associate
- AWS Certified Cloud Practitioner (CCP)