

Christopher Mitchell MEng CEng MIET

Experienced Technical Leader | Team Scaler | Clear Communicator | TypeScript Full Stack | AWS

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A dynamic engineering leader, and part of the senior leadership team at Monterosa, with extensive experience building and scaling high-performance teams, driving technical innovation, hands on full-stack software engineering design and development, and aligning engineering strategy with business objectives.

Proven track record in transforming development tooling and processes to improve speed of product development and release from weeks to hours, and reducing operational maintenance costs by more than 80%.

A strategic thinker and influential leader, curating trusting and communicative environments within development teams and leading teams towards agile methodologies for product development, focusing on delivery of quality increments.

Key Accomplishments

Leadership & Strategy

- Merged the customer solutions and product development teams to better fit the pivoted business model of the company and create one delivery team, with a product first approach, improving code reuse

Technical Vision & Innovation

- Architected scalable, maintainable systems powering product evolution, reduced maintenance by 80% and enabled onboarding of new developers in hours
- Defined the continued support and migration of customers from legacy product, to new
- Built Node.js CLI tooling to automate repetitive actions to save 2-3 hours per week per developer
- Championed the use of AI tools within the team helping the team move faster, accelerating delivery timelines

Scaling Teams

- Mentored multiple engineers from junior developers, to become architectural thinkers and solution engineers
- Set goals and curated training plans for team members to upskill and take ownership of more complex tasks outside of their original knowledge

Operational Efficiency

- Engaged with team members to understand repetitive tasks, and developed tooling for them to take a repetitive and manually heavy 10 minute task, to two, immediate, CLI commands saving hours per week, per developer
- Created a visual resource profiling chart, connected to our time planning tool, to be able to see at a glance the resource skill profiles required at any time across multiple projects, and be able to immediately see bottlenecks and proactively solve them

Leading Transformation

- Took a team of custom solution engineers who would rapidly develop custom solutions for individual customers, leading to code waste, and reoriented them into a team with a product first approach, massively reducing code waste while improving architectural patterns

Certifications & Education

Amazon Web Services (AWS)

- Cloud Practitioner - Foundational

Institution of Engineering & Technology

- Chartered Engineer

University of Exeter

- MEng (Hons) Electronic Engineering - 2:1
- International Study - Czech Technical University - Prague

Technical Skills

Software Development

- TypeScript, JavaScript, React Hooks, Redux Toolkit, Node.js, Express, Fastify, Jest, React Testing Library

Bundling / Framework Tools

- Webpack, Rollup, Parcel, Vite, NextJS, Astro

Serverless Tools

- AWS CDK, API Gateway, Lambda, SQS, SNS, SES, IAM, CloudFront, Cognito

Version Control & CI/CD Deployment

- Git, GitLab CI/CD, GitHub Actions, Bitrise

Data Storage

- AWS S3, RDS, DynamoDB, MongoDB, Redis, MySQL, PostgreSQL

Containerisation

- Docker, Kubernetes

Employment

Monterosa

Engineering Manager

June 2024 - Present

Engineering Manager - Front-End

- + Managing three development teams across web and native application development and solutions delivery
- + Created and successfully applied a process to codify stakeholder engagement in projects, to improve quality of deliveries, sharing accountability and responsibility while reducing risk
- + Resourcing and recruiting for development teams appropriately, by collaborating closely with pre-sales
- + Owning and maintaining a suite of products, all built from a bespoke set of component parts, and developed across the teams
- + Overseeing architectural decisions made by Engineering Leads, helping with applying holistic thought and design of new features to work across all products
- + Development and maintenance of Node.js tooling applications for development teams to test and ship product faster

Engineering Lead

June 2021 - May 2024

Core Web Product Engineering Lead

- + Managing two teams with seven developers and three QA team members building feature rich React modules and applications
 - + *Line management of development team ensuring constant two-way feedback*
- + Supporting Product and Sales teams with feasibility estimations
- + Improving team scrum process with a continuous aim of increasing predictability and velocity
- + Development and configuration of application build/bundling and deployment tools
- + Creating onboarding documentation and process to give new starters a great joining experience
- + Creating clear working practice guides and documentation for development team
- + Coaching team members on aspects of cloud platforms (AWS)

Client Solutions Engineering Lead

- + Joined Monterosa in Client Solutions, taking the core web product and adding individual adaptations for specific customers; later, chosen to manage the core product team
- + Delivering multiple, concurrent, rapid turnaround projects from client kickoff to launch and maintenance

GB Group PLC

Head of Integrations

March 2019 - June 2021

Software Design & Development

- + Architecture design of microservices for Kubernetes based web platform
- + Stateless app design, development and deployment with Node.js, Express, Prometheus, Docker, Spinnaker and Kubernetes
- + Test development using Mocha and Chai

Process Improvement

- + Focus on streamlining scrum team processes to maintain and improve delivery quality and velocity
- + Defining software rules and practices for consistency and maintainability

Management

- + Managing a team of nine developers split into two sub-teams
 - + *Team structuring, resource planning, interviewing and hiring*
- + Developing myself and team members through regular two-way feedback sessions
- + Presenting updates from the technology team to the wider company

Early Career

Automotive Engineering

September 2011 - February 2019

In my earlier career, I held progressive positions in automotive technology engineering, working for Jaguar Land Rover and Tata Motors.

I led specification and systems engineering design for a multi-modal speech recognition platform for Jaguar Land Rover, spending 5 months in India with our software engineering team, successfully ensuring quality deliveries.

I managed programmes and team members while innovating on technology solutions and found my passion for software engineering, moving to GBG to head up their web platform.