

# Michael Anderson

## Senior Software Engineer

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### Professional Summary

Results-driven Software Engineer with 8+ years of experience in full-stack development, specializing in scalable web applications and cloud infrastructure. Strong expertise in JavaScript/TypeScript, Node.js, React, and AWS. Passionate about writing clean, maintainable code and implementing CI/CD practices to improve development workflows. Proven track record of delivering high-quality software solutions that meet business objectives and exceed user expectations.

### Technical Skills

#### Programming Languages:

JavaScript    TypeScript    Python    Java    SQL    HTML5/CSS3

#### Frameworks & Libraries:

React    Node.js    Express    Next.js    Redux    Spring Boot    Jest    Mocha

#### Cloud & DevOps:

AWS (EC2, S3, Lambda, RDS)    Docker    Kubernetes    Jenkins    GitHub Actions    Terraform

#### Databases & Tools:

PostgreSQL    MongoDB    Redis    GraphQL    Git    JIRA    Figma

### Professional Experience

#### Senior Software Engineer

March 2021 - Present

*FinTech Solutions, London, UK*

- Led the development of a high-performance trading platform, implementing microservices architecture using Node.js and TypeScript that handles 10,000+ transactions per minute.
- Designed and implemented RESTful APIs and GraphQL endpoints, improving data retrieval efficiency by 40%.
- Spearheaded migration from monolithic architecture to containerized microservices using Docker and Kubernetes, reducing deployment time by 65%.
- Implemented automated CI/CD pipelines using GitHub Actions, resulting in 3x faster release cycles.
- Mentored junior engineers, conducted code reviews, and established coding standards that improved overall code quality.

#### Full Stack Developer

June 2018 - February 2021

*Tech Innovations Ltd, Manchester, UK*

- Developed and maintained web applications using React, Redux, and Node.js, serving 50,000+ daily active users.
- Optimized database queries and implemented caching strategies, reducing page load times by 30%.
- Collaborated with UX/UI designers to implement responsive designs and improve user experience.
- Integrated third-party APIs and payment gateways, increasing platform functionality and user engagement.

- Performed regular code refactoring and technical debt reduction, improving maintainability and reducing bugs by 25%.

## Software Developer

August 2015 - May 2018

*Digital Solutions Agency, Birmingham, UK*

- Developed front-end interfaces using JavaScript, HTML5, and CSS3 for various client projects.
- Built responsive websites and web applications that improved client conversion rates by an average of 15%.
- Implemented e-commerce solutions using WordPress and WooCommerce, customizing functionality to meet client requirements.
- Conducted cross-browser testing and bug fixing to ensure consistent user experience across platforms.

## Education

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### MSc in Computer Science

2013 - 2015

*University of Manchester, UK*

Specialization in Software Engineering and Distributed Systems

### BSc in Computer Science

2010 - 2013

*University of Birmingham, UK*

First Class Honours, Dean's List for Academic Excellence

## Key Projects

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### Real-time Trading Analytics Dashboard

**Technologies:** React, D3.js, WebSocket, Node.js, MongoDB

- Designed and implemented a real-time analytics dashboard for tracking trading activities.
- Integrated WebSocket for live data updates and D3.js for interactive data visualizations.
- Implemented responsive design for optimal viewing on multiple devices.

### E-commerce Platform Migration

**Technologies:** Next.js, AWS, Stripe API, PostgreSQL

- Led the migration of a legacy e-commerce platform to a modern stack based on Next.js and AWS.
- Implemented serverless architecture using AWS Lambda and API Gateway for improved scalability.
- Integrated Stripe payment processing with enhanced security features.

## Certifications

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- AWS Certified Solutions Architect - Associate (2023)
- Professional Scrum Master I (PSM I) (2021)
- MongoDB Certified Developer (2020)
- Google Cloud Professional Cloud Developer (2019)

## Languages

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- **English:** Native
- **French:** Intermediate (B1)
- **German:** Basic (A2)

## References

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Professional references available upon request