



# Glen Thomas

SENIOR SOFTWARE / PLATFORM ENGINEER

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📍 UK Resident

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## Profile

Experienced polyglot Software Developer and Platform Engineer with expertise in design, implementation, testing and maintenance of software systems. Proficient in various cloud platforms, programming languages, and development tools. Able to effectively self-manage during independent projects, as well as lead and collaborate as part of a productive team. Passionate about enablement of engineering teams by supplying effective tools, processes and knowledge.

## Employment History

Back End / Cloud Engineer, Intelligent Lilli, Remote (UK)

*January 2022 — Present*

Design, build and operate APIs used internally and by customer-facing apps. Functional programming with Clojure for the core services and serverless tools implemented with Python. Also responsible for managing a large fleet of deployed IoT devices communicating with AWS using MQTT protocol and processing streams of IoT events for use by ML pipelines.

**Clojure, Python, AWS, ECS, Postgres, IoT (MQTT)**

Senior Software Engineer, Moonpig, London / Remote

*December 2018 — December 2021*

My role was focused on platform engineering, building the tools for other engineers to replace an aged web application with modern front and back end technologies running on highly scalable and cost effective serverless compute power. The entire estate is rebuilt from the ground up as we transition into the new platform. Self-hosted CI/CD tools are replaced with self-service GitLab pipelines and trustworthy deployments using Terraform infrastructure as code. Security is tightly controlled in a multi-account AWS organisation with least-privilege access IAM roles. Also responsible for design and build of a federated GraphQL gateway serving as the entrypoint for all GraphQL microservices.

**C#, .NET Core, TypeScript, NodeJS, REST, GraphQL, SQL, AWS, GitLab, Terraform, Lambda, SQS, SNS, Kinesis, DynamoDB, ELK, CloudWatch**

Software Engineer, ASOS, London

*October 2017 — December 2018*

Part of the ecommerce development team, working on high throughput, low latency back-end web services that are core to the ASOS platform. The technology stack is very loyal to Microsoft Azure and the .NET Framework, with a globally distributed

## Links

[LinkedIn](#)

[glen-thomas.com](http://glen-thomas.com)

microservices architecture connected by REST APIs and Azure Service Bus. High availability, fast performance and strong resilience are essential requirements to keep the business running during peak sale periods and fend off cyber-attacks. As a software engineer I developed solutions using a Kanban methodology with a test-first approach, using fully automated pipelines built on TeamCity and Octopus deploy.

**C#, .NET, REST, SQL, Azure, ARM IaC, Cloud Services, Service Bus**

Senior Software Developer, BGC Partners, London

*January 2017 — October 2017*

Responsible for building the next generation equity derivatives broking platform for order management. The applications are mission critical and MiFID II compliant, built on the latest technologies, catering for high performance requirements. The existing desktop application, built on WPF, WinForms, WCF and SQL, needed replacing with an AWS cloud hosted web client using HTML5, React, .NET Core WebAPI microservices, CQRS and Apache Kafka as an event sourced data store.

**C#, .NET, WPF, REST, SQL, Kafka, AWS, TeamCity, Octopus Deploy**

Senior Software Developer, Betway, London

*February 2015 — January 2017*

Responsible for developing and maintaining in-house applications. Primarily, this involves WPF development in C#.NET, N-tier application from presentation layer to data access. Service development and integration with external third party APIs. A service-oriented architecture makes heavy use of RabbitMQ messaging. Working in an agile methodology, development cycles are short and deadlines are strict, delivering software releases to the business on a daily basis.

**C#, .NET, WPF, SQL, TeamCity, Octopus Deploy**

## **Education**

BSc Computer Science, University of Brighton, Brighton

*2003 — 2008*

Computing, Maths, Physics, Electronics A-levels, Long Road 6th Form College, Cambridge

*2001 — 2003*