

# Jake Howden

SOFTWARE ENGINEER

Cardiff, South Wales

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*Cloud-native .NET engineer with 7+ years designing event-driven platforms on AWS and Azure. I have tackled a range of problems, worked with cross-functional teams, and engineered features that improve customer experience and revenue metrics.*

## Education

### University of South Wales

BSc (Hons) Computer Games Development

First-Class Honours

09/2015–06/2018

## Technical Skills

### Programming

C# .NET, .NET Core, ASP.NET Core, CosmosDB, DynamoDB, TDD, xUnit, Kafka, SQS/SNS, ServiceBus

### Architecture

Cloud, Microservices, Event Driven, Domain-Driven Design, CQRS, HTTP, Messaging

### DevOps

Terraform, Helm Charts, Serverless, CI/CD, GitHub Actions, Azure DevOps, Infrastructure as Code

### Cloud

AWS, Azure, Serverless, Kubernetes, Docker, AWS Lambda, Azure Functions

## Experience

### Just Eat Takeaway

Bristol, United Kingdom

SOFTWARE ENGINEER

09/2024–Present

- Engineered and architected an event-driven platform generating €243 million in annual revenue.
- Migrated legacy services from EC2 to Kubernetes (EKS), reducing infrastructure spend by 30%.
- Standardised our messaging framework to eliminate duplicated code and reduce complexity across microservices.
- Integrated E2E test suites into CI/CD pipelines, strengthening release gates and improving service reliability.
- Championed multiple features which improved agent efficiency and customer satisfaction.
- Mentored senior developers transitioning to .NET, offering guidance in engineering and testing best practices.

### Ensono

Remote, United Kingdom

SOFTWARE CONSULTANT

04/2022–07/2024

- Successfully delivered a marketing system overhaul for Next PLC, migrating on-prem monoliths to cloud microservices in a £5 million contract.
- Designed and implemented CI/CD pipelines to deploy services to Azure Kubernetes Service.
- Co-led a £1.2 million initiative rebuilding admissions and finance communications for a London university with Azure Functions and Azure Service Bus.
- Applied TDD, automated regression suites, and infrastructure-as-code to sustain high deployment confidence.
- Facilitated stakeholder workshops and roadmap reviews that aligned engineering deliverables with business milestones.

### Tytonical

Remote, United Kingdom

BACKEND DEVELOPER

06/2020–04/2022

- Owned end-to-end delivery of back-end web APIs and full-stack applications for fintech and media clients.
- Prioritised scalability and high availability when designing AWS ECS deployments, ensuring cost-efficient operations.
- Brokered partner integrations by defining APIs, SLAs, and support processes that kept joint launches on schedule.
- Mentored interns through structured workshops and pair-programming, progressing them to production-ready contributors.

### Newpark Solutions

Bristol, United Kingdom

APP MANAGER

01/2019–06/2020

- Directed a full redesign of the parking payment app, coordinating product, design, and engineering across release cycles.
- Led customer support and QA teams, instituting feedback loops that tightened defect triage and response times.
- Maintained and extended backend web services to onboard new municipal clients and payment features.
- Raised the app store rating from 1.5–2 to 4+, improving brand perception and retention.

### Newpark Solutions

Bristol, United Kingdom

SOFTWARE ENGINEER

06/2018–01/2019

- Integrated a new payment service provider for in-app payments, improving checkout reliability and compliance.
- Built automated payment services that delivered a frictionless parking experience for customers.