

Gavin van Gent

Backend Engineer

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Location: Crewe,
UK

Professional Summary

Experienced Backend Engineer with 15 years of expertise in building scalable SaaS platforms, microservices architecture, and cloud infrastructure. Specialized in AWS services, TypeScript/Node.js development, and infrastructure-as-code practices. Proven track record of leading technical teams and architecting systems that serve global audiences across telematics, streaming, and payment processing industries.

Professional Experience

Radius Payment Solutions

Oct 2022 - Present

Technical Lead

Crewe, UK

Leading backend design and development for multi-tenant SaaS fleet management platform serving enterprise clients across the globe. Architecting scalable microservices infrastructure using AWS serverless technologies and infrastructure-as-code practices.

Key Achievements:

- Leading backend and device integration teams across multiple product lines
- Orchestrated seamless platform transition from Key Telematics acquisition, aligning technical architecture with Radius
- Contributing to Radius' unified telematics ecosystem strategy, consolidating 10+ legacy platforms onto the modernized

Technologies:

Terraform, Node.js, TypeScript, C#, Docker, AWS ECS, AWS RDS, AWS Kinesis, PostgreSQL, Redis, tsoa, awilix

Key Telematics

Jan 2019 - Sep 2022

Backend Engineer

Cape Town, South Africa

Backend engineer developing a multi-tenant SaaS fleet management platform for asset management and vehicle tracking solution vendors. Collaborated within an agile team of 4-6 developers to build and maintain comprehensive integrations including 60+ hardware device manufacturers and 20+ external data providers and processors.

Key Achievements:

- Developed robust telematics data ingestion pipelines handling high-volume vehicle data streams
- Integrated with 60+ device manufacturers and 10+ OEM providers including Ford, Mercedes-Benz, and Kuantic
- Built RESTful APIs for fleet management and vehicle tracking applications

Technologies:

Terraform, Node.js, TypeScript, C#, Docker, AWS ECS, AWS RDS, AWS Kinesis, PostgreSQL, Redis, tsoa, awilix

Backend Engineer - Payments Team*Cape Town, South Africa*

Backend engineer specializing in global payment integrations for streaming platform serving 25+ countries across Africa, Asia, and the Middle East. Built serverless payment processing systems handling transactions in the thousands.

Key Achievements:

- Architected serverless payment processing system using AWS Lambda and API Gateway
- Integrated with 15+ payment providers including Apple Pay, Google Pay, and regional mobile operators
- Implemented real-time payment processing using Kinesis Streams

Technologies:

AWS Lambda, API Gateway, Kinesis Streams, DynamoDB, Node.js, TypeScript, Redis, React, Docker Compose

Wyzetalk

Jun 2012 - Aug 2014

Software Developer*Stellenbosch, South Africa*

Software developer at an early-stage startup building an enterprise communication platform (pre-Slack era) that connected frontline workers with corporate systems. Pioneered microservices architecture adoption and implemented modern web technologies in a fast-paced startup environment.

Key Achievements:

- Expanded proof of concept to production serving 50,000+ users
- Pioneered microservices architecture using Apache Thrift for service interoperability
- Developed real-time messaging system with WebSocket connections and message queuing

Technologies:

AngularJS, Node.js, Express.js, Apache Thrift, MSSQL, MongoDB, Linux, Nginx

Technical Skills**AWS Services**

Kinesis Streams (8+ years), ECS (10+ years), RDS (6+ years), AWS Lambda (10+ years), DynamoDB (10+

Languages

TypeScript (12+ years), JavaScript (15+ years), Node.js (12+ years), C# (15+ years), SQL (15+ years),

Infrastructure & DevOps

Terraform (5+ years), Docker (8+ years), Linux (15+ years), Nginx (10+ years), CI/CD (8+ years)

Frameworks & Tools

awilix (8+ years), tosa (6+ years), Express.js (10+ years), Apache Thrift (3+ years), Mocha, Sinon, Chai (10+

Databases

PostgreSQL (5+ years), Redis (8+ years), MongoDB (4+ years), DynamoDB (8+ years)

Architecture & Patterns

Microservices (10+ years), Serverless Architecture (8+ years), Multi-tenant SaaS (6+ years), RESTful APIs