

# JOSE ALBAN

## Staff Software Engineer

@ zebaum+cv@gmail.com

in 153152227

📍 West London, UK



## HIGHLIGHTS

- Strong IC with cross-team influence: architecture, standards, mentoring, reliability, security, and developer velocity
- Led core platform engineering in multiple London tech companies
- Expert in cloud architecture, Go/TypeScript/Rust/Python languages, developer experience, CI/CD pipelines, packaging and deploying software

## COMMERCIAL EXPERIENCE (15Y+)

### Lead / Staff Software Engineer

#### Sensat

📅 January 2020 - Current

📍 London - UK

- Individual Contributor career, working closely with the CTO on top client's security concerns and international compliance of **data residency** and ISO standards
- Scaled **spatial data** infra to 200TB+, 1,000+ concurrent users, and 99.9999% uptime for UK/US/AU/ME clients
- Owned infra architecture, **provisioning (Pulumi)**, technical direction, standards, and delivery across teams
- **Primary technical reference** for 10+ engineers across backend/infra
- Built foundation to achieve **daily deployment** cadence with zero downtime via AWS ECS circuit breaker, automated testing, and monitoring/alerting for the entire platform, merging multiple repos into a monorepo and ensuring Slack communication is effective

### Senior Software Engineer

#### Babylon Health

📅 May 2018 - January 2020

📍 London - UK

- Designed and owned a Rust-based Kubernetes deployment tool used by 50+ engineers; reduced deployment errors by 70%+ and cut incident load across 12+ microservice teams
- Led HIPAA/GDPR-compliant security upgrades: enforced TLS in-transit and encryption-at-rest across 10+ teams, standardising secure service practices
- Interviewed 30+ candidates across engineering and product, shaping hiring standards
- Mentored 15+ engineers (Junior → Senior) in backend, infra, and cloud best practices; served as internal architecture consultant

### Senior Software Engineer

#### M2A Media

📅 April 2016 - May 2018

📍 London - UK

- Built and operated large-scale live streaming and media delivery platforms (Python, Ruby, Bash) for UK, Germany, Japan, Canada, and US broadcasters
- Automated deployment pipelines and implemented robust testing (unit, acceptance, load), increasing reliability of critical content workflows
- Delivered highly-available, low-latency backend services and real-time processing pipelines; optimised performance and cost across AWS-hosted systems

- Mentored 3+ engineers in clean code, testing strategies, and high-quality delivery practices
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## Graduate / Senior Software Engineer

### **British Broadcasting Corporation (BBC)**

📅 September 2013 - April 2016

📍 London - UK

- Built multi-threaded, highly-available Java microservices powering **BBC iPlayer**, serving millions of users weekly across global AWS regions
  - Managed complex AWS infrastructure: multi-region, multi-account, high-volume workloads
  - Shipped production changes via continuous delivery, owning end-to-end operations of business-critical systems
  - Mentored contractors and engineers at different levels
  - Developed a banner component deployed across all BBC webpages, impacting millions of daily visitors
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## Web Developer

### **AlchemyBet**

📅 October 2012 - August 2013

📍 Sheffield - UK

- Delivered backend web services (C#), database logic, automation scripts, and operational tooling
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## Systems developer

### **Blanski eletronica do Brasil**

📅 August 2010 - August 2011

📍 Salvador - Brazil

- Built supervisory control software (Delphi/C++), including proprietary PLC communication protocols
- Developed industrial automation GUIs and contributed to embedded communication standards

## **EDUCATION (6Y)**

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### MSc (Eng), Advanced Software Engineering

#### **University of Sheffield**

📅 September 2012 - September 2013

📍 Sheffield - UK

Dissertation: Cloud PaaS built on open-source technologies / Distinction (72%)

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### BEng, Electrical Engineering

#### **Universidade Salvador**

📅 January 2006 - July 2011

📍 Salvador - Brazil

Final project: C++/Delphi Supervisory System for industrial automation / First Class (71%)

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## **LANGUAGES**

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English (Native-level), Portuguese (Native), Spanish (Fluent)

## **LEGAL**

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Permanent UK Residence / Spanish citizenship / 1 month's notice