

Younes El Alami

Senior Software Engineer

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🐙 [ShadOoW](https://github.com/ShadOoW) · <https://github.com/ShadOoW>

SUMMARY

Senior Software Engineer with 15+ years of experience across distributed systems, cloud infrastructure, and platform engineering. Proven track record building developer tooling and CI/CD platforms at scale (Zalando: 2,000+ engineers, 5,000+ daily builds on Kubernetes). Deep expertise in AWS, Terraform, Docker, Kubernetes, and observability tooling, combined with strong full-stack development skills (React/Node.js/Java/Spring Boot).

SKILLS

Cloud & Infrastructure

Advanced
AWS · Terraform · Infrastructure as Code · EC2 · ECS · EKS · Lambda · S3 · CloudWatch · Linux · Bash

Containers & Orchestration

Advanced
Kubernetes · Docker · Helm · Pod Autoscaling · Service Mesh

CI/CD & GitOps

Advanced
GitHub Actions · Jenkins · GitLab CI · ArgoCD · Deployment Automation

Observability & Monitoring

Advanced
Prometheus · Grafana · New Relic · Distributed Tracing · PagerDuty · SLO/SLI

Backend & Microservices

Advanced
Java · Spring Boot · Node.js · Microservices · REST API · GraphQL · Apache Kafka

Databases

Advanced
PostgreSQL · MongoDB · Elasticsearch · Redis · DynamoDB

Frontend & Web

Advanced
React · Next.js · TypeScript · Redux · React Native · Webpack

Developer Experience

Advanced
Backstage · Platform Engineering · OpenAPI · Monorepo · Turborepo · Git

WORK EXPERIENCE

Senior Software Engineer at [bruce.work](#)

Mar 2026 - Current

📍 Remote / Hybrid

Full-stack engineer on a recruitment and temporary employment platform, working across features, backend services, and cloud infrastructure.

- Joined engineering team to leverage platform engineering experience from Zalando and infrastructure automation expertise from freelance consulting.
- Contributing to React Native mobile app and Node.js microservices architecture for recruitment and contract management platform.
- Applying DevOps best practices to AWS infrastructure: refining Terraform modules, improving Docker build efficiency, and strengthening CI/CD pipelines.

Senior Software Engineer at Freelance Consulting

Jan 2024 - Mar 2026

📍 Remote

Independent consultant building full-stack applications with a focus on cloud architecture and infrastructure automation.

- SaaS PDF Platform: Architected serverless backend on AWS with modular Terraform infrastructure managing 8+ Lambda functions, API Gateway routes, S3 buckets (with lifecycle policies), DynamoDB tables, and CloudWatch alarms across dev/staging/prod environments. Implemented remote state in S3 with DynamoDB locking, reusable modules for common patterns, and automated deployments via GitHub Actions with plan/apply workflows.
- Mentoring Platform (mentoringbycgem.com): Built with Node.js/Express and React/TypeScript. Implemented JWT authentication with RBAC, real-time WebSocket notifications, calendar integration via OAuth2, and deployed using Docker Compose with Portainer on DigitalOcean. Automated CI/CD pipeline using GitHub Actions for testing, building Docker images, and zero-downtime deployments.
- Established infrastructure-as-code best practices across all client projects: Terraform workspaces for environment isolation, tagged resource organization, cost monitoring via AWS Cost Explorer, and runbook documentation for common operational tasks.

Senior Software Engineer at RWS

Dec 2022 - Jan 2024

📍 Amsterdam

Worked on Tridion Docs, an enterprise CMS used by Fortune 500 companies. Led backend modernization and containerization.

- Led containerization initiative: migrated 15+ legacy services to Spring Boot microservices running in Docker, establishing CI/CD pipelines that reduced deployment time by 40%.
- Designed RESTful API standards with OpenAPI specs and set up API gateway routing with automated service discovery, enabling teams to deploy services independently.
- Implemented event-driven architecture with Apache Kafka: designed topic schemas, configured consumer groups with proper offset management, and established dead-letter queue patterns for reliability.
- Optimized PostgreSQL performance through query analysis, index tuning, and connection pooling, reducing P95 response times from 2s to 300ms.
- Architected frontend modernization from jQuery/JSP monolith to React with TypeScript and Redux, organized as Turborepo monorepo with shared component library and build optimization.

Senior Software Engineer at Zalando SE

Jan 2021 - Dec 2022

📍 Berlin

Part of the Platform Engineering team. We built internal developer tooling, CI/CD infrastructure, and deployment automation for 2,000+ engineers running hundreds of microservices on Kubernetes.

- Built and ran the CI/CD platform that handled 5,000+ daily builds, with Docker-based pipelines running on Kubernetes clusters on AWS.
- Developed microservices for build orchestration and deployment automation across a multi-cluster Kubernetes setup.
- Wrote Dockerfiles, Kubernetes manifests, and Helm charts for platform services. Managed pod configs, resource limits, and health checks.
- Integrated observability tooling (New Relic, LightStep, Scalyr) for distributed tracing and log aggregation, with alerting through PagerDuty and Slack.
- Contributed to the internal developer portal built on Backstage, adding deployment tracking and service catalog features.

- Built micro-frontend architecture with Webpack Module Federation so teams could deploy UI components independently.

Senior Frontend Developer at Danske Bank

Jun 2019 - Mar 2020

📍 Kuala Lumpur

Worked on the bank's website and mobile app for a major Nordic financial institution.

- Built Spring Boot microservices consumed by a React Native mobile app.
- Delivered features with React, Redux, Storybook, GraphQL, and Webpack under banking compliance constraints.

Senior Software Engineer at BAE Systems Applied Intelligence

Oct 2017 - Feb 2019

📍 Kuala Lumpur

Built software for big data search and investigation in the defense sector.

- Developed Spring Boot microservices for large-scale data search and investigation systems.
- Managed Elasticsearch clusters: index design, shard allocation, replica tuning, and query optimization for high-volume ingestion.
- Integrated services into a React frontend with Redux and GraphQL.
- Migrated the frontend from Marionette to React with modern build tooling.

Software Engineer at iPrice Group Sdn Bhd

Feb 2015 - Sept 2017

📍 Kuala Lumpur

Worked on a meta e-commerce platform serving millions of users across Southeast Asia.

- Built a product categorization tool with Angular 2, Symfony, and Spring Boot, processing millions of listings.
- Optimized page load speed and SEO with AMP, Spring Boot, and Elasticsearch.

Co-Founder & CTO at Tractive Sdn Bhd

Sept 2012 - Sept 2014

📍 Kuala Lumpur

Co-founded a tech company. Led the engineering team and managed infrastructure.

- Ran the tech department: infrastructure, dev workflows, and team management.
- Built interactive solutions with C#/WPF and JavaScript.

Junior Software Engineer at SmartSurface Sdn Bhd

Feb 2011 - Aug 2012

📍 Kuala Lumpur

First engineering role. Full development lifecycle on client projects.

- Built desktop applications with C#/WPF, from requirements through deployment.

EDUCATION

BSc (Hons) Computing (Software Engineering) at Staffordshire University at
Asia Pacific University (APU)

Jan 2009 - Jan 2012

Degree Analyst Programmer at College de Sherbrooke

Jan 2007 - Jan 2009

📍 Casablanca

CERTIFICATES

LANGUAGES

English
Proficient

French
Proficient

Arabic
Proficient

INTERESTS

Platform Engineering

Cloud Infrastructure

Developer Tooling