

Miguel Sánchez Durán

Senior Software Engineer · Full-Stack, Cloud & AI

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PROFILE

Senior software engineer with 15+ years delivering scalable, secure, high-performance web platforms for enterprises, government institutions, and SaaS companies across Europe and the Middle East. Deep in the JavaScript / TypeScript ecosystem (Angular, Node.js, cloud-native), with the last few years spent moving into production AI: retrieval, grounding, and reviewable outputs. I own the architecture and integration decisions, and build for sensitive, regulated environments where systems must hold up.

TECHNICAL SKILLS

Frontend	JavaScript (ES6+), TypeScript, Angular, React, RxJS, NgRx, HTML5, CSS3 / SASS, Ionic
Backend	Node.js, Python, REST, GraphQL, Microservices
Databases	MongoDB, MySQL, SQL, Oracle / PL-SQL
Cloud & DevOps	AWS, Azure, CI/CD, Docker
AI systems	LLM orchestration, RAG, vector search, NER, MCP / agents
Practices	Agile, Scrum, TDD, secure development

PROFESSIONAL EXPERIENCE

Senior Software Engineer Jun 2024 – Present

Datafusion Systems · Dubai, UAE

- Design and build secure, scalable web platforms for sensitive, regulated, evidence-heavy environments.
- Build AI workflows end to end: retrieval and entity extraction that turn multi-source data into reviewable, cited outputs.
- Real-time analytics and data pipelines; security and compliance aligned with international standards.

Senior JavaScript Engineer Oct 2017 – Jun 2024

Consultant / Self-Employed · UK · USA · EMEA

- Enterprise-grade platforms for government bodies and multinationals: Scottish Government, Capita, Current Health, eShopWorld, among others.
- Full-stack delivery in Angular, TypeScript, and Node.js, with security-first handling of sensitive, regulated data.
- Brought AI into client work: NLP and ML for search and document processing, and early LLM-assisted features.

Applications Developer Team Lead Jan 2017 – Oct 2017

Formedix · Glasgow, UK

- Led frontend of a clinical metadata platform for regulated clinical trials; modern standards and automation.

Development Engineer Oct 2015 – Dec 2016

Ideagen · East Kilbride, UK

- Governance, risk and compliance software for regulated industries; refactored legacy systems into modern Angular.

Senior Developer Apr 2015 – Sep 2015

SlashMobility · Barcelona, Spain

- Led cross-platform mobile development on the MEAN stack and Ionic.

Earlier roles 2011 – 2015

Intelligent Mobile · Forma Animada · Edinburgh, UK · Seville, Spain

- Mobile and web applications across JavaScript, HTML5/CSS3, hybrid frameworks, PHP and MySQL.

EDUCATION

Universidad de Sevilla, Seville, Spain

MSc, Web & Mobile Application Development (2011 – 2012)

BSc, Computer Software Engineering (2007 – 2011)

CERTIFICATIONS, TRAINING & LANGUAGES

Certifications Angular Developer Certification (Advanced / Expert Level) · MongoDB Certified Developer Associate · Umbraco Certified Professional (Level 2)

Current focus AWS Certified Generative AI Developer – Professional (AIP-C01) · AI governance · production LLM systems

Training Microsoft Azure · Google Cloud · LLM systems (Anthropic & OpenAI APIs)

Languages Spanish (native) · English (professional working)