

Ismael Florit

Senior Software Engineer

Senior full-stack engineer experienced in building scalable products across startups and established organisations. Specialised in TypeScript ecosystems, serverless architectures, event-driven systems, and AI-first engineering workflows. Experienced in designing platform-level abstractions, improving developer experience, and leveraging AI throughout the software development lifecycle to accelerate delivery and build better systems.

EMPLOYMENT HISTORY

Present
2025

Trusted - Senior Full Stack Software Engineer (Founding Team)

Architected and delivered full-stack features for an early-stage enterprise advocacy platform using Node.js, React, NestJS, Next.js, PostgreSQL, and AWS. Designed reusable frontend and backend frameworks, implemented embeddings-powered semantic matching, and contributed to event-driven architecture, Auth0 authentication/RBAC, and MCP server development. Embedded AI into the engineering workflow, using LLMs to drive specification, architecture, implementation, testing, code review, and documentation, significantly increasing delivery velocity as a founding engineer.

2023

Globalization Partners - Senior Software Engineer

Led the modernisation of core billing systems, migrating a legacy Spring Boot application to AWS event-driven serverless microservices built with Node.js. Adopted Micro Frontend (MFE) and Backend-for-Frontend (BFF) patterns to support independent frontend delivery and provide tailored APIs for the new React-based billing application, which I led from a frontend perspective. Partnered closely with product and design to deliver a scalable user experience while driving automation, performance optimisation, and cross-team delivery. Designed and built a Jest-like testing framework for AWS Step Functions, significantly improving developer experience for integration testing.

2021

Rollout - Software Engineer (Founding Team)

Designed and delivered full-stack platform features for an early-stage startup using Node.js, TypeScript, React, Remix, Redis, AWS Lambda, and Heroku. Built a hybrid architecture with a Node.js SSR application and a secure Lambda sandbox for isolated client code execution, developed REST/tRPC APIs and a Redis-backed task scheduler, and contributed to shared React component libraries and frontend features. Supported deployments, data migrations, and regression testing while using AI-assisted engineering workflows to rapidly prototype, implement, and validate solutions.

2019

Liberty IT - Software Engineer

Designed and delivered AWS serverless solutions using Node.js runtimes, including a payments integration built around webhook ingestion, SQS-based asynchronous processing, and Lambda workers for secure transaction handling. Improved system resilience and security through event-driven architecture, HMAC validation, threat modelling, and architecture reviews. Led Agile delivery across the SDLC while mentoring engineers and supporting team development.

EDUCATION

2019

Masters in Software Development
Queen's University of Belfast

2013

Bachelor of Science in Music Technology
Queen's University of Belfast

2007

CertHE Music
Royal Northern College of Music

PROFICIENCIES

- Full-Stack Product Engineering
- AI-First Engineering Workflows
- Legacy System Modernisation
- Event-Driven & Serverless Architecture
- Distributed Systems Design
- Developer Experience & Automation
- Technical Architecture & Documentation
- Frontend Architecture & Design Systems
- Technical Leadership & Cross-Team Delivery



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PROJECTS

2026

Chronicle - AI-powered engineering memory platform. Building an agentic system that helps software engineers capture, organise, and recall their professional experience over time.

Designing memory architecture combining structured knowledge graphs, embeddings, and retrieval workflows to transform day-to-day engineering activity into reusable career evidence. Built with Python, PostgreSQL, pgvector, and LLM-powered workflows, with a focus on AI-first product architecture and developer productivity.

florit.dev - AI-first engineering portfolio and knowledge system. Designed and built a personal engineering platform showcasing projects, technical decisions, and experiments through a modern full-stack architecture. Built as a living portfolio rather than a static website, integrating AI-assisted workflows, structured technical documentation, and reusable content systems to demonstrate how modern engineers can combine software craftsmanship with AI-native development practices.

Buckets - Expo mobile budgeting app on Supabase, NestJS, and Open Banking API integration. Multi-stage merchant categorisation using PostgreSQL, pgvector, webhooks, and edge functions: async embeddings matched via cosine similarity, with rules, LLM fallback, and active-learning review. Financial analysis engine exposed via MCP tools and an AI chat agent for natural-language insights over household budgeting data.

2021

Froom - Fully serverless WebRTC communication platform supporting multi-user rooms and peer discovery. Distributed room state management and signalling workflows using AWS WebSocket API Gateway, Lambda, and DynamoDB, removing the operational overhead of traditional relay/signalling servers.

SKILLSET

Languages

TypeScript (7 yrs) · JavaScript (7 yrs) · Java · Python

Frontend

React (5 yrs) · Next.js · Remix · React Router · Expo · React Native

Backend & APIs

Node.js (7 yrs) · NestJS · Spring Boot · REST · tRPC

Cloud & Infrastructure

AWS (7 yrs) · Lambda · Step Functions · EventBridge · DynamoDB · CloudFormation · CDK · Vercel · Supabase · Neon

Data & Storage

PostgreSQL (5 yrs) · DynamoDB · MongoDB · Redis

AI Engineering

LLM application development · Agentic workflows · MCP servers · Embeddings & semantic search · RAG architectures · AI-assisted software development workflows · Prompt engineering · Cursor · Claude Code · Pi Harness · Codex

Developer Experience

GitHub Actions · Bitbucket Pipelines · Jest · Testing frameworks · Figma · Lucidchart · Miro



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