

Ahmad Madi

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SUMMARY

Full stack engineer, seven years at a Dubai delivery business, promoted from intern to senior across four roles. I own the operations backend in a microservices platform, ship features across the other backend services around it, and build the React interfaces on top. Node.js, TypeScript and Python on AWS. Most of the work I'd point to is making something slow fast, or making a change traceable when it wasn't.

SKILLS

Core: Node.js · TypeScript · JavaScript · Python · React · Next.js · NestJS · PostgreSQL · REST APIs

Tools: AWS (Lambda, ECS, API Gateway, SQS, SNS, S3, Cognito, Bedrock) · AssemblyAI · DynamoDB · Redis · Docker · GitHub Actions · Azure Pipelines · Prisma · Tailwind · React Native · Vitest · Playwright

Methods: Microservices · Event-driven architecture · LLM integration · Agent orchestration (Claude Code) · Query optimization · Automated testing

EXPERIENCE

Senior Software Engineer

01/2025 - Present

Washmen, Dubai, UAE (Remote)

- Own the operations backend, the service behind a dashboard used daily by five departments, and ship features across the platform's other backend services: claims, orders, customer, driver. Changes to shared contracts stay additive, coordinated with each owning team and gated by an API test suite on every pipeline run.
- Built the summarization pipeline behind the operations dashboard's communication tab: API Gateway into Lambda workers on SQS, AssemblyAI for transcription, Amazon Nova on Bedrock for the summaries. A five-minute delay queue collapses an active chat into one inference instead of one per message, which keeps model cost near \$1.60 a day.
- Built the harness that drove a UI migration nobody had capacity for: a work queue, a written playbook, and Playwright gates Claude Code had to pass before merge. Recurring findings were promoted into new gates, and my own review findings hit zero by the fifth screen. 56 screens moved off five legacy libraries onto shadcn/ui and Tailwind in a month.
- Review most of the team's pull requests. Spent a year mentoring a junior engineer, which I asked to do.

Software Engineer III

06/2021 - 12/2024

Washmen, Dubai, UAE (Remote)

- Automated garment tracking into Asana with an event-driven Lambda, replacing manual per-item data entry for the support team. The integration won Washmen the Asana 'AI Breakthrough' award for EMEA at the 2026 Work Innovation Awards.
- Containers kept cycling on ECS and nobody had traced why. One endpoint looped over every user for every activity record, took about 75 seconds on large orders, and starved the health check sharing its event loop. A hash map took it to one second.
- Built change auditing after a bad edit broke a production geofence config and nobody could tell who made it. DynamoDB Streams feed a Lambda that diffs the old and new record, then a Bedrock call turns that diff into something readable.
- An analytics page took 25 to 30 seconds to load and nobody had filed a ticket. I added a PostgreSQL and Redis caching layer over the third-party API behind it and got it to 2 seconds.
- Moved dashboard modules off PHP and jQuery onto React and TypeScript, without downtime for the teams running daily operations on them.

Full Stack Developer (joined as Frontend Intern)

05/2019 - 06/2021

Washmen, Beirut, Lebanon (On-site)

- Joined as an intern on the facility team and was hired full time at the end of it. Found a dispatch bug quietly creating duplicate tasks in the hundreds to thousands, fixed it in Python, then took over order creation and capacity computation.

PROJECTS

[Simmra](#)

2026

Solo project, private beta

- Built the NestJS and TypeScript API on PostgreSQL via Prisma, plus a Next.js web app and a React Native client, internationalized across 12 locales with right-to-left support.
- Wrote about 315 tests, including end-to-end runs against a real PostgreSQL instance. CI is the only thing allowed to run migrations, behind a concurrency guard so overlapping deploys queue instead of racing.

EDUCATION

B.Sc. Computer Science, Lebanese International University

2016 - 2019