

Emmanouil Pappas

Senior Software Engineer

Contact

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Languages

Greek: mother tongue
English: advanced

Skills

AI: Agentic engineering, Claude Code, Claude skills, MCP, Cursor, Codex, Gemini

Languages: JavaScript (ES2020), TypeScript, Python, Bash

Back-end: NodeJS, Express, GraphQL/Apollo, CI/CD, Microservices, NoSQL

Front-end: NextJS, React, Redux, Tailwind

Testing: Jest, Pytest, BDD (Gherkin, Cucumber)

Monitoring: ELK Stack, Grafana

Infrastructure: Docker, Terraform, nginx, AWS (Lambda, API Gateway, S3, CloudFront, IAM, DynamoDB, RDS, Route53, CloudWatch)

Interests

compete in triathlon
run marathons
basketball
cooking
🎧 jazz music
📖 books
traveling

Work experience

Senior NodeJS Back-end Developer [Equals Money](#)

London, UK | Apr 2022–Present

- Practised agentic engineering at 90%+ of team delivery since Feb 2026 on Claude Code (the company's licensed primary tool), shipping regulated card-issuing and payments features under full test and release-approval compliance
- Wrote coding rules and Claude Code skills for the engineering organisation's shared AI tooling, covering testing, code review, database access and observability workflows
- Designed and built the platform's authorization layer over three years: an RBAC and balance-roles model whose central access-check is consumed by every microservice. Delivered permission evaluators plus the V1/V2 role-management API suite, later extending enforcement into white-label programme onboarding
- Integrated issuer processors including Marqeta and Thredd, owning card lifecycle APIs (issue, activate, suspend, replace, cancel), tokenised and non-tokenised card products at scale, and the migration of card programmes and payment tokens between processors
- Built the digital-wallet token lifecycle: Apple/Google/Samsung Pay provisioning controls, payment-token webhook ingestion (activate, suspend, expire), card-by-card token migration between processors
- Developed the 3DS push-notification approval flow for card transactions, strengthening SCA compliance and customer experience
- Owned production reliability across Cards, Budgets and authorization services: incident response on 3DS approval outages and card-activation failures, Mastercard Data Integrity compliance fixes, and production data-repair scripts
- Mentored junior engineers, including a six-month intern guided from onboarding to independent delivery

NodeJS Back-end Developer [Vonage \(Nexmo\)](#)

London, UK | Dec 2016–Mar 2022

- Built Communication (REST) APIs for Voice and Video RTC
- Optimized infrastructure sizing and scaling by performing loadtests to allow faster onboarding of new customers
- Helped team meet high quality standards. One of the main contributor on the way to achieve 99% coverage
- Built 5+ Jenkins healthcheck pipelines (smoke, E2E, stress, load) plus a 50+ smoke-test suite covering multi-DC scenarios, using Python, Groovy, Pytest, SipP, Gatling and Cucumber
- Developed monitoring and alerting system using dashboards with metrics from over 2000 tests including E2E test suites, regression, smoke and stress tests using ELK Stack and Grafana

Freelancer Web Developer

Heraklion, Crete/Greece | Dec 2012–Nov 2016

- Developed and supported high-load e-commerce websites (30k users daily) with secure payment-gateway, ERP and CRM integrations

Projects

Freelance and personal products, delivered end to end with agentic engineering (Claude Code)

Home Meal Plan [homemealplan.com](#)

2026 | solo product

AI meal-planning SaaS: multi-tenant weekly plans, recipes and macro tracking with a streaming, tool-using AI nutritionist. Next.js 15, Supabase RLS, Clerk, Anthropic API; private beta in five weeks

Sports Agency Management Dashboard

2026 | solo product

Invite-only, role-based dashboard and headless CMS for a European sports agency, replacing a hand-edited CSV; publishing flows to the live site through hardened database views. Next.js 16, Supabase RLS, Clerk

Tangram Sports

2025 | client

Public website for an international basketball agency (~150 clients): headless Supabase roster via published-only views, ISR with on-demand revalidation, adapter layer preserving the design. Next.js 16

Halkiadakis Cleans [halkiadakiscleans.gr](#)

2026 | client

Rebuilt business site on Next.js 16; Greek-first SEO, cookie-free analytics, operator launch runbook

Education

Master of Informatics Engineering

Heraklion, Crete/Greece | Jun 2016

Department of Applied Informatics & Multimedia, Technological Educational Institute of Crete

Bachelor of Informatics Engineering

Heraklion, Crete/Greece | Sep 2012

Department of Applied Informatics & Multimedia, Technological Educational Institute of Crete