MIRKO SIDDI

FORWARD DEPLOYED ENGINEER | FULL-STACK & APPLIED AI

Business process discovery · AI integrations · End-to-end delivery

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PROFILE

Full-stack engineer with 6+ years in software development since 2020 and an earlier career in enterprise infrastructure. I work from operational problems through requirements, architecture, implementation and delivery, combining business software, AI integrations and automation. Experience includes an AI transcription application used in market research, delivered client estimating automation, payment and billing integrations, and an AI-assisted engineering workflow adopted across my team. Seeking a Forward Deployed / AI Solutions Engineering role combining stakeholder discovery, process improvement and hands-on delivery.

CORE CAPABILITIES

Discovery & delivery: Clarifying workflows and requirements, defining scope, translating operational needs into software, prototyping, stakeholder collaboration and production delivery.

Full-stack: TypeScript, JavaScript, Node.js, Fastify, Python/FastAPI, Vue, Angular, React, REST APIs, webhooks, SQL and PostgreSQL; experience with Java, PHP/Laravel, MongoDB and SQL Server.

Applied AI & automation: LLM API integration, transcription and translation pipelines, asynchronous processing, error recovery, n8n workflows and AI-assisted development with Claude Code.

Infrastructure & reliability: Docker, Linux, GitHub Actions, Jenkins, AWS S3/EC2 and Python Lambda functions; enterprise operations, CI/CD and idempotent integrations.

PROFESSIONAL EXPERIENCE

Smartness (Smartpricing) | Software Engineer, SmartPay

September 2026 - Present | Hospitality payments

- Translate finance requirements into TypeScript services, SQL models and Vue 3 tools, collaborating with the product owner and technical lead on scope and delivery.
- Delivered Chargebee credit-note and re-invoicing workflows across three repositories, enabling finance users to handle corrections previously requiring developer intervention.
- Implemented idempotent writes, schema migrations and a linked invoice/credit-note ledger; corrected commission previews to prevent double counting.
- Built finance interfaces with role-based permissions, document history and TOTP confirmation; tested end to end on staging and coordinated release PRs.

MyComp / Smartness | Frontend / Full-Stack Engineer

March 2024 - August 2026

- Developed and maintained business applications across Angular, AngularJS, React, Vue, Node.js, Java, Python-based AWS Lambda functions and MySQL.
- Built an AI-assisted workflow with Claude Code, Jira and GitHub, adopted by the whole team: ticket-to-PR development, AI pre-review, mandatory peer review, integration and release.
- Managed CI/CD workflows, built internal automations and worked across legacy services and cross-application integrations.

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MEASURED IMPACT | AI-ASSISTED DELIVERY

Personal Jira/GitHub metrics: January-May vs. July-September 2026; June rollout excluded. Results observed after workflow adoption:

- Completed tickets increased from **24.4 to 57.7 per month (2.4x)**; median start-to-production time fell **27%**, from 7.9 to 5.8 calendar days.
- 75th-percentile start-to-production time fell **64%**, from 21.8 to 7.9 days; the share reaching production within 7 days increased from **47% to 69%**.
- Built reusable team skills for development, reviews, releases, KPI reporting and pipeline monitoring. Team-wide Q3 delivery: 134 production releases, including one corrective release.

SELECTED AI & CLIENT DELIVERY

AI transcription & translation application

2024 - 2025 | Used for customer interviews in market research

- Built the application end to end with Python/FastAPI, React, PostgreSQL, OpenAI, Docker and AWS S3, covering upload, processing status, file management and results.
- Implemented transcription, speaker labelling, translation and glossary corrections, including terminology handling for medical content; used chunking and error recovery for long recordings.
- Connected webhooks and cloud storage for asynchronous processing and adapted the workflow to practical research needs.

Edilcos | Construction estimating automation

Independent client project | Delivered

- Translated the company's existing estimating workflow into a software process and delivered automation for preparing construction quotes.

Related product: **Edilaise**, construction workflow software in development, building on the delivered estimating automation and discussions with people in the sector.

Business workflow automation | Humanaise

Self-hosted n8n | Since November 2024

- Built AI-enabled workflows for invoice collection across personal and business email accounts, database recording and Fatture in Cloud integration, plus website and form intake automation.

EARLIER EXPERIENCE

Dimatica | Full-Stack Developer

August 2022 - March 2024 | Remote

Built B2B applications, reusable UI modules and dashboards with Angular, Python APIs, MongoDB and GraphQL; improved API integration and modularity.

Unblur | Full-Stack Developer

February 2021 - August 2022 | Barcelona, Spain

Migrated AngularJS to Angular 11, contributed to React Native features and maintained .NET/SQL Server backend modules.

Enterprise Infrastructure, Team Leadership & Data-Center Operations

2003 - 2020 | Banking and telecom

Worked on enterprise systems and automation, including VMware, Oracle, clustering and infrastructure migrations. This background informs reliability, troubleshooting and production operations.

EDUCATION & LANGUAGES

Ironhack, Barcelona: Full-Stack Web Development Bootcamp, 2020. ITIL Foundation, Scrum Master, PowerShell Automation (2016); PMP training.

Languages: Italian: native | Spanish: near-native | English: B2 | French: intermediate | Catalan: good comprehension, limited speaking practice.