

# Vincenzo Rippa

## Technical Lead / Application Architect

*Hands-on Technical Lead · Application Architecture · API & Integration · Web / Mobile / Backend · AI-enabled Products*

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Open to hybrid and remote work  
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## ABOUT

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Software Engineer with 9 years of experience designing and evolving full-stack application systems across mobile, web, backend, and — more recently — products with AI components. My background combines technical leadership, application architecture, API design, integration flows, and cross-stack delivery, with technical ownership over production platforms and coordination across teams and vendors. I am most effective in hands-on technical leadership roles that require holding development quality, architectural coherence across product evolution, and real-world feasibility together — turning business constraints and discovery work into implementable solutions.

**Selected Technologies:** TypeScript · Node.js · Express.js · Python · REST API · GraphQL · Next.js · Swift · Kotlin · Flutter/Dart · PostgreSQL · MongoDB · Docker · CI/CD · n8n · LangGraph · ComfyUI

## EXPERIENCE

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### **Virtuosa** — Lead Software Engineer / AI (Freelance)

Jan 2026 — Present · Remote

- Leading technical development for a pre-seed AI media initiative, helping translate early product ideas into a concrete implementation plan
- Prototyping AI workflows using n8n, LangGraph, and ComfyUI, with a focus on assisted generation, modular step orchestration, artifact modeling, output management, and integration with local components, external services, and cloud storage
- Developing proof-of-concept components in Python and experimental components containerized with Docker, with attention to isolation, repeatability, progressive scalability, and operational simplicity
- Setting up infrastructure across PaaS, SaaS, and cloud compute services for hosting, application runtimes, databases, and storage, including Render, Vercel, Runpod, Supabase, and AWS S3, with attention to cost and operational simplicity
- Designing and shipping the public website in Next.js, including CMS-managed content with Strapi, domain/DNS configuration through Cloudflare, and deployment setup
- Working directly with the founders to turn early concepts into technically feasible components, sustainable architectural choices, and operational decisions for the product's next steps

### **Horsa** — Technical Lead / Application Architect

Feb 2022 — Sep 2025 · Milan, Italy

- Progressed from a mobile-focused technical lead role into broader responsibility for application architecture and cross-team technical coordination on a production e-mobility domain rich in integrations
- Technical reference for an ecosystem spanning Node.js backend services exposed via API, native mobile apps, internal admin tooling, and integrations with internal and third-party systems
- Integrated the XPay payment gateway into an architecture built for a different gateway: server-to-server contract design and impact analysis across API, backend services, and mobile clients
- API design and technical analysis for adopting the OCPI protocol — direct integrations with partner providers — alongside the pre-existing OICP protocol
- Targeted development on Node.js, with interface definition and technical alignment across components on a MongoDB, Redis, and Cloud Spanner stack
- Design-level knowledge of the data model, including geospatial queries on MongoDB for map marker clustering

- Cross-stack reference for problem analysis, fault analysis, troubleshooting, system boundaries, technical risks, and design trade-offs
- Strengthened engineering practices across initiatives: clean architecture, repository access, secret handling, CI/CD workflows, code review, and technical debt reduction
- Contributed to the recovery of a Flutter educational game, realigning APIs and business logic with an authoritative backend (Express.js, PostgreSQL) and restoring the product to a client-testable state

### **omninx** — Mobile Lead

Feb 2020 — Jan 2022 · Milan, Italy

- Led technical direction for native and cross-platform mobile initiatives, working closely with product and design on architecture, implementation, and delivery
- Defined mobile architecture, service interfaces, and cross-project technical foundations, with work involving Flutter/Dart, Swift, Kotlin, GraphQL, AWS Amplify, Firebase, UML, and technical flow diagrams
- Designed, documented, and maintained SDKs and reusable internal libraries, improving code reuse and integration across projects
- Took ownership of release processes and related workflows across App Store, Play Store, OTA distribution, fastlane, and GitLab CI
- Contributed during a transition phase to backlog definition, sprint planning, stakeholder communication, and product evolution without shifting primary focus away from technical leadership

### **Vegan Solutions** — Senior Mobile Developer

Nov 2018 — Jan 2020 · Milan, Italy

- Developed native mobile applications across iOS and Android, contributing to code architecture, implementation quality and client acceptance phases
- Took technical leadership responsibilities on internal projects for luxury retail and finance-related clients
- Developed reusable components, following internal technical standards, coordinating with backend and design stakeholders

### **Accenture** — Associate Application Developer

Apr 2017 — Sep 2018 · Naples, Italy

- Built native iOS applications in structured enterprise environments, contributing to UI implementation, networking, persistence layers
- Gained early experience with production delivery, technical patterns, and collaboration inside large organizations

## **EDUCATION**

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- Apple Developer Academy @ **Università Federico II** — Apple-certified program
  - High School Diploma in Accounting
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