SOFTWARE ENGINEER · BORIS TECHNOLOGIES

Emanuele Coppola

Designing and building software across web, cloud, and industrial systems.

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Software Engineer with 10+ years of experience designing, developing, and delivering software across web, desktop, cloud, and industrial systems.

Background spanning software architecture, end-to-end development, and complex system integrations, with experience in digital payments, Natural Language Understanding, and industrial automation.

Currently co-founder and CTO of Boris Technologies, combining hands-on engineering with technical direction and coordination of external engineering teams.

01 / SKILLS

Languages	TypeScript · JavaScript · PHP · Python · Kotlin · Bash
Backend & Data	Laravel · Node.js · MySQL · PostgreSQL · Redis · Elasticsearch · Typesense
Frontend	Vue.js · AngularJS · HTML · CSS/SCSS · Tailwind CSS · Bootstrap
Desktop & Mobile	Electron · Apache Cordova · Ionic
Infrastructure	Docker · Linux · NGINX · Apache
Industrial Systems	CNC · PLC · CODESYS · HMI · OPC UA · G-code

LANGUAGES

Italian	Native
English	C1 · Advanced
German	Currently studying

EDUCATION

2018 — 2019
University studies in Computer Science
University of Turin
Not completed

2016 — 2018
Multimedia design and development
Albe Steiner Institute, Turin

2013 — 2016
Multimedia design and web development
Immaginazione e Lavoro, Turin

02 / PROFESSIONAL EXPERIENCE

Co-founder & CTO — Boris Technologies S.r.l. ↗

2024 — present · Turin, Italy

Co-founded an industrial technology company developing Electrical Discharge Machining (EDM) generators and their integrated control, desktop, and cloud software ecosystem.

- Designed the architecture and developed the software platform for the EDM generators, integrating CNC controllers, PLCs, and industrial devices.
- Designed and developed desktop HMIs and machine-control workflows, covering machining programs, axis management, technology parameters, and process monitoring.
- Developed a cloud platform for real-time acquisition, processing, and monitoring of machining data from industrial equipment.
- Provided technical direction and defined the software architecture for industrial, desktop, and cloud components, coordinating external teams through technical specifications, architectural guidelines, and integration oversight.

Software Architecture · Industrial Automation · CNC/PLC Integration · Cloud Architecture · Real-Time Data Processing · Technical Leadership

Integration Specialist — Satispay ↗

09/2023 — 12/2024 · Milan, Italy

Technical integration of digital payment solutions, combining software engineering, system integration, and direct collaboration with external engineering teams.

- Collaborated with partner engineering teams to analyze technical requirements, design integration solutions, and resolve complex interoperability challenges.
- Contributed to the evolution of Satispay's integration ecosystem, improving software components, development and testing workflows, and identifying opportunities for architectural refactoring.
- Designed and developed internal tools for performance monitoring, data analysis, and automated troubleshooting, improving the efficiency and reliability of integration processes.

API Integration · Payment Systems · Systems Integration · Developer Tooling · Technical Troubleshooting

Software Engineer — Libre Digital ↗

01/2021 — 08/2023 · Turin, Italy

Returned to Libre Digital during a period of significant company growth, with greater responsibilities in architectural design, technical project oversight, and the coordination of external teams and vendors within the digital publishing and education sectors.

- Held end-to-end technical ownership of software projects, from requirements analysis and architectural decisions through development and production release.
- Independently coordinated external development teams and vendors, defining technical requirements, tasks, and how their contributions were integrated.
- Developed and evolved web, desktop, and mobile applications, working across the backend, frontend, and deployment infrastructure.

PHP · Laravel · JavaScript · Vue.js · MySQL · Docker · Electron · Apache Cordova · Linux · NGINX

02 / PROFESSIONAL EXPERIENCE (continued)

NLP Software Engineer — Harman International (Samsung) ↗

10/2019 — 12/2020 · Milan, Italy

Research and development of Natural Language Understanding (NLU) technologies for Samsung Bixby, contributing to the development, training, and quality assurance of its Italian language models.

- Contributed to the development, training, and refinement of Italian NLU models, improving language understanding and voice interaction capabilities.
- Developed and integrated domain-specific language functionalities to support new user interactions with Samsung Bixby.
- Designed and implemented Python-based automated linguistic validation tools to detect syntax errors, missing vocabulary, and grammatical inconsistencies, strengthening quality assurance and development workflows.
- Collaborated with international engineering teams to coordinate feature development, integration, and synchronized releases across multiple markets.

Python · Node.js · Bash · NLP · NLU · Language Model Training

Software Engineer — Libre Digital ↗

02/2016 — 09/2019 · Turin, Italy

Development of software solutions for digital publishing and education, with a focus on web, mobile, and cross-platform applications.

- Designed and developed applications from the ground up, covering the entire software development lifecycle, from system architecture and database design to frontend and backend implementation.
- Evaluated and selected technologies, software architectures, and cloud infrastructure based on project requirements.
- Managed deployment and production environments, as well as the maintenance and evolution of existing applications.

PHP · Laravel · JavaScript · Vue.js · AngularJS · MySQL · Docker · Linux · Apache · NGINX · Electron · Apache Cordova

Software Engineer — Just Log Me S.r.l. (JLM) ↗

06/2017 — 10/2017 · Turin, Italy

Development and integration of IDer, a digital identity solution based on multi-factor authentication and passwordless access through digitally signed QR codes.

- Integrated authentication systems with third-party applications and services through OpenID.
- Implemented passwordless authentication features for external web platforms.

OpenID · MFA · Passwordless Authentication · Digital Identity