

Simone Caminati

SENIOR SOFTWARE ENGINEER

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Summary

I am a **Software Engineer** with over **10 years** in the IT industry, specializing in **full-stack development, mobile and web applications, and user interface design**. Currently serving as a **Software Development Senior Specialist** at **BV TECH S.p.A.**, where I contribute to the evolution of **PagoPA**, the digital payment platform used by all Italian citizens. Previously, I led the design and development of **hybrid mobile apps** and **web-based solutions** at **Exaltech S.r.l.**, gaining extensive experience in both **front-end and back-end technologies**.

Skills

DevOps Azure, Docker, Kubernetes (AKS), CI/CD Pipelines, Terraform, Jenkins, OpenShift, Agile Scrum

Back-end Spring Boot, Express, REST API, Drools, Camunda

Front-end Angular, React, VueJs, Material, Bootstrap, HTML, SASS

Data Mongo, Redis, OracleSQL, PostgreSQL

Mobile Android, Ionic, Capacitor, Cordova

Programming Node.js, Javascript, Typescript, Functional programming (fp-ts), Kotlin, JAVA

Languages Italian (native), English

Experience

BV TECH S.p.A.

Remote

SOFTWARE DEVELOPMENT SR.

July 2024 - Present

SPECIALIST

- Software development consultant at PagoPA. Main activity involves optimizing existing payment processes and adding new features to improve user experience and increase platform efficiency. The agile framework Scrum was used for development.
- Development of communications management software for the Lombardy region.

Exaltech S.r.l.

Latina

SOFTWARE ENGINEER

May 2013 - July 2024

- Software development consultant at Reply technologies, Poste Italiane, Ministero di Giustizia.
- Mobile: e-commerce application for online shopping and order management.
- Mobile: aerial equipment calibration tool for precise field adjustments and diagnostics.
- Mobile: social network for multimedia sharing, where followers can view and interact with content.
- Mobile: delivery management app for deliveryman to receive, track, and complete orders.
- Mobile: Explora Latina, exploring the historical, cultural, and natural sites. Presented at Expo Milano 2015.
- Web: remote system for managing apartment booking and access processes.
- Web: Access control system for industrial companies to manage and monitor entry points securely.
- Web: Online platform for booking guided tours with real-time availability and reservation management.

Main Projects

PagoPA Checkout

July 2024 - April 2025

SPRING BOOT, JAVA, KOTLIN, REACT,

BV TECH S.p.A.

NODE, REDIS

- Maintained and enhanced all components of the payments platform, focusing on both frontend and backend performance optimization.
- Developed unit tests to ensure full coverage of React components, improving code reliability and maintainability.
- Optimized the Wallet API by integrating Redis caching, achieving a 60% reduction in response time.
- Implemented an authentication flow using SPID, the Italian digital identity system, to ensure secure user access.
- Designed CI pipelines for automated deployments, including unit and integration testing across UAT and production environments.
- Performed soak testing using K6 to validate the stability and performance of Node.js microservice after the upgrade to version 22.

Ministero di Giustizia

Jan 2024 - July 2024

JAVA, SPRING BOOT

Exaltech S.r.l.

- The website serves as the official portal for public sales related to judicial auctions in Italy.
- Designed and implemented a process for receiving telematic offers from prospective buyers in judicial sales.
- Developed a system to read certified electronic mail (PEC) and securely store encrypted offers, which are automatically decrypted and opened three hours prior to the scheduled judicial hearing.
- Managed external communications and outcome reporting through SOAP-based web services, ensuring compliance with legal and procedural standards.
- Orchestrated process execution using batch jobs that concurrently access the database, monitoring and updating the status of individual workflows.

Smactory

May 2016 - July 2024

JAVASCRIPT, ANGULARJS, CORDOVA

Exaltech S.r.l.

- SMACTORY is a set of intuitive solutions, able to get you more information in real time about the status of your machinery, processes and human-machine interactions.
- The platform integrates advanced features such as augmented reality, beacon detection, QR code scanning, and video calling to enhance user experience and operational efficiency.
- Designed and developed a responsive web application compatible with all devices, using a single codebase. The application was converted into a hybrid mobile app using the Cordova framework.

Education

Sapienza University

Rome

INFORMATION ENGINEERING

Aug. 209 - Dec. 2012

(BACHELOR'S DEGREE)

- Degree grade: 108/110
- Thesis: Implementazione e analisi sperimentale di algoritmi di data streaming su piattaforma GPU