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, Quartz
Front-end	Angular, React, VueJs, Material, Boostrap, HTML, SASS
Data Management	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. SPECIALIST — *July 2024 - Present*

- 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 applications design and development (Hybrid - Android SDK).
- Web-based applications design and development.
- Back-end development.

Main Projects

PagoPA Checkout — *July 2024 - April 2025*
SPRING BOOT, JAVA, KOTLIN, REACT, NODE, REDIS — *BV TECH S.p.A.*

- 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 an 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.
- Perfomed soak testing using K6 to validate the stability and performance of Node.js microservice after the upgrade to version 22.

Judicial auctions sales portal of Ministero di Giustizia — *Jan 2024 - July 2024*
JAVA, SPRING BOOT — *Exaltech S.r.l.*

- 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

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 of Rome – Information Engineering *Rome*

Information Engineering (Latina) (Bachelor's Degree - Ministerial Decree No. 270/2004) *Aug. 209 - Dec. 2012*

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