

KARAN PREET SINGH | [linkedin.com/in/krnprtsingh](https://www.linkedin.com/in/krnprtsingh)

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Professional Experience

SOFTWARE ENGINEER | 02/2022 - 02/2024 | MAPS GROUP | Milan, Italy

■ *Healthcare Safety and Claims Reporting Platform*

- Developed a critical healthcare web application, with a budget of approximately 3.5 million euros, serving hospitals across different regions in Italy.
- Leveraged Angular 11, Java 17, REST API, MyBatis, and PostgreSQL DB handling both front-end and back-end aspects
- Acquired proficiency in Agile development practices within a multifunctional team of 10+ members.
- Successfully closed and deployed 100+ Jira tickets, comprising bug fixes and enhancements. Developed more than 10 major functionalities for the web application.
- Successfully deployed several releases of the application to production leveraging foundational knowledge of Docker & Kubernetes to manage containerized applications.

■ *Enterprise Solution for Vodafone and IBM (Mobile services for the public administration)*

- Developed an enterprise-level solution for Vodafone, utilizing Java 1.8, Spring framework, Apache Camel, Apache CXF, and Oracle DB.
- Developed infrastructure for the consumption of SOAP web services.
- Played a role in ensuring the project's adherence to quality standards and best practices.
- Thrived in a fast-paced environment, and managed to deliver results under tight deadlines working with an international team.
- Successfully deployed the application in collaboration with IBM and Vodafone to accommodate the needs of approximately 1.4 million users.

FRONT END DEVELOPER | 01/2021 - 12/2021 | SENTRIC | Milan, Italy

■ *Development of the UX/UI for a platform in the retail sector*

- Developed and optimized the UI and UX of the website
- Leveraged several technologies including EditorX, Velo API, and JavaScript to create interactive web components while using NodeJS to interact with the back-end of the application.
- Conducted usability testing and gathered user feedback, implementing iterative improvements.

Education

Bachelor Degree in Computer Science | University of Parma | 03/2022 | Parma, Italy

- **Relevant coursework:** Fundamentals of programming, algorithms and data structures, databases, programming methodologies, computer networks, software engineering, artificial intelligence
- **Thesis:** "*Development of the user interface and user interaction for a platform in the retail sector*". Conducted an exploration of user interface and interaction principles within the context of a retail platform.

Diploma in Informatics and Telecommunications | I.I.S G. Romani High School | 06/2017 | Cremona, Italy

- **Graduation project:** Designed and developed a functional online food ordering web application utilizing a range of technologies including PHP, HTML, CSS, Bootstrap, and MySQL.

Technical Skills

Angular, Angular Material, Typescript, JavaScript, Ionic/Capacitor, HTML 5, CSS, Java, Spring Framework, Springboot, Mybatis, PostgreSQL, Git, Bitbucket, JIRA, Docker, Kubernetes, Linux, REST API, Microservices

Languages

Italian (native), English (Professional Working Proficiency), Punjabi (native), Hindi (native)