

Summary

Experienced Software Engineer with a strong foundation in front-end and back-end development, specializing in React, Typescript and C#. Proven track record in leading projects to successful completion, emphasizing performance optimizations, cross-functional collaboration, and enhancing user experiences with scalable technology solutions.

Professional Experience

Software Engineer	Criteo	Jan 2022 - present
<ul style="list-style-type: none">Led the inception to launch of two dashboard projects using <i>React</i>, focusing on performance optimizations for enhanced responsiveness and user experience, delivering thoroughly tested projects ahead of schedule.Updated our Design System Library in <i>React</i> and using <i>CSS</i>, creating a scalable, performant, future-proof component library that improved design consistency and cross-team collaboration.Initiated a Reporting API project in <i>C#</i>, establishing clean architectural patterns, comprehensive testing and structured logging. With proactive analysis, reduced system error rates and improved API latency.Led a SQL optimization project for a dashboard, significantly reducing dashboard response times.Enhanced team knowledge sharing and efficiency through active mentoring leadership, and internal talks.		
Fullstack Developer	Mobeye	May 2021- Dec 2021
<ul style="list-style-type: none">Automated a key business process in the web application, reducing the manual execution time with <i>React</i> and <i>Redux</i>.Improved user login flow and permission handling in <i>React Native</i>, enhancing mobile usability.Boosted backend API performance by 90% with Python and Django, improving critical data retrieval speeds for visualization.		
Research Engineer	Télécom Paris	June 2020 - May 2021
<ul style="list-style-type: none">Developed a web tool for visualizing community data, with Dart, and WebGL for scalable, interactive data visualizations.Led a small team to create an interactive web prototype for large dataset exploration using D3, TypeScript, and Angular.		
Postdoctoral Researcher	Inria Saclay	June 2018 - May 2020
<ul style="list-style-type: none">Innovated in the field of dynamic social network visualization. Developed tools for dynamic social network visualization and community identification in social networks, integrating complex visualization and interaction techniques. (<i>Python</i>, <i>Dart</i> and <i>Canvas</i>).		

Education

University of São Paulo, Brazil	Ph.D. Computer Science	December 2013 - May 2018
<ul style="list-style-type: none">Specialized in network and spatio-temporal data analysis, with a focus on graph signal processing and advanced data visualization.		
University of São Paulo, Brazil	M.Sc. Computer Science	August 2011 - November 2013
Catholic University San Pablo, Peru	B.Sc. Informatics Engineering	2005 - 2010

Expertise and Technologies

Frontend Development: Deep expertise in TypeScript and React.

Backend Development: C #, Python, with a proven track record of delivering end-to-end solutions.

Data Visualization: Advanced proficiency in creating interactive tools and visualizations for complex datasets.