Bruno Roque

Software Engineer

Info

 Zürich, Switzerland

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 brunoroque06.github.io

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Experience

Senior Full Stack Engineer

Axpo – Baden, Switzerland   03.2023 – Present

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Senior Software Developer

Raccoon Works – Zürich, Switzerland   (3 yrs 7 mos) 06.2019 – 12.2022

Development of an analytics system for time-series data. It enabled correlation of events across machines in production lines. Technologies: C#, Python, PostgreSQL, Angular, Bazel, Docker, Azure DevOps, Azure (IaC), Pulumi.

Software Developer

Spoud – Bern, Switzerland   (1 yr 7 mos) 11.2017 – 05.2019

Development of a real-time transport layer, and of analytics pipelines, where I introduced testing. Technologies: Java, Apache Flink, Apache Kafka, Elasticsearch, gRPC, Bazel, Docker.

Software Engineer

Celfinet (Vodafone) – Glasgow, Scotland   (5 mos) 04.2017 – 08.2017

Development of a desktop application to automate the planning of neighbors in cellular networks. Improved the drop call rate in northern areas of the UK by 30%. Technologies: C#, WPF, Microsoft SQL Server.

Education

MSc in Electrical and Computer Engineering

Instituto Superior Técnico – Lisbon, Portugal ⧉   09.2007 – 12.2014

Professional Development

Genetic Algorithm, Decision Tree Player, and other side projects ⧉	Present
Tool to help my wife fill out reports ⧉	Present
Architecture Clinic, Michael Montgomery, IDesign ⧉	09.2023
Architect's Master Class, Juval Löwy, IDesign ⧉	05.2021

Languages

English – Proficient (C)
German – Intermediate (B)
Portuguese – Native

Technologies

.NET (C#) Python Angular PostgreSQL Shell

Bazel Docker Azure DevOps Azure (IaC) Pulumi