Bruno Roque

Software Engineer

Info

📍 Zürich, Switzerland

📞 (+41) 765 174 226

@ brunroque06@gmail.com

🌐 brunoroque06.github.io

github.com/brunoroque06

linkedin.com/in/brunoroque06

Experience

Senior Full Stack Engineer

Axpo - Baden, Switzerland   2023.03 – Present

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Senior Software Developer

Raccoon Works - Zürich, Switzerland   (3 yrs, 7 mos) 2019.06 – 2022.12

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) 2017.11 – 2019.05

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) 2017.04 – 2017.08

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 ⬀   2007.09 – 2014.12

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 ⬀   2023.09

Architect's Master Class, Juval Löwy, IDesign ⬀   2021.05

Languages

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

Technologies

.NET (C#) Python Angular PostgreSQL

Shell Bazel Docker Azure (IaC) Pulumi