

Sadman Bhuiyan

Bolzano, Italy

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About me

I am a Master's student at the Free University of Bozen/Bolzano, in Software Engineering for Information Systems. Passionate about software engineering and with more than two years of experience specialising in python development and full-stack web development. I am mainly looking for Backend and Software Engineering roles.

Education

Libera Università di Bolzano

Bolzano, Italy

MSc in Software Engineering for Information Systems

2022 - Current

- Role of Student Ambassador
- **Courses:** Contemporary Software Development, Agile Software Development, Programming and Visualization for Data Science, Research Methods and Technology Transfer, Software and Systems Security, Verification and Reliability for Dependable Systems, Cloud Computing and Distributed Systems, DevOps

Libera Università di Bolzano

Bolzano, Italy

Bachelor in Computer Science

2018 - 2022

- Role of Student Ambassador

ITE Cesare Battisti

Bolzano, Italy

Technical Economic Institute

2013 - 2018

Work Experience

Toduba

Turin, Italy - Remote

Fullstack Developer

October 2022 - December 2022

- I worked with a three-person team on implementing dashboards and management for internal use.
- **Technical Skills:** React, Next.js, TailwindCSS, Node.js, Storybook, Caddy, GIT

NitAge

Rome, Italy - Remote

Frontend Developer

May 2022 - July 2022

- I worked on the frontend development of a digital school attendance system and platform for conducting online lessons for a language school.
- **Technical Skills:** Vue.js, Nuxt.js, Docker, TailwindCSS, Node.js, GIT

R3GIS

Bolzano, Italy

Software Engineer

May 2021 - July 2021

- I created a data collector that accepts requests from the company server to store customer data.
- The data was then analysed using Process Mining to decompose a monolithic system into one that utilised the microservice architecture.
- **Technical Skills:** Node.js, RabbitMQ, Docker, PostgreSQL, Jaeger-tracing, GIT

Smart Data Factory (UNIBZ)

Bolzano, Italy

Software Engineer

July 2020 - September 2020

- The project aimed to support the development of a load-testing framework using the open-source software locust.io
- I have been involved in perfecting PPTAM (<https://github.com/pptam/pptam-tool>), a tool developed, in collaboration with other academic partners, that monitors and guides locust.io to perform targeted tests to identify software problems
- **Technical Skills:** Python, Locust.io, Flask, PostgreSQL, Consul, GIT

University Projects

Proposing Microservice Cuts in a Monolith: a Process Mining Approach

Bolzano, Italy

Libera Università di Bolzano

July 2021 - July 2022

- Analysis of data by process mining to generate a process map
- Usage of the NetworkX library to create decomposition models
- Analysis of decomposition models with metrics
- **Technical Skills:** Python, Disco, NetworkX.

Software to auto-evaluate tests

Libera Università di Bolzano

Bolzano, Italy

November 2021 - December 2021

- Implementation of a pattern recognition model on an A4 sheet for test correction
- Publication of the results on a website
- Recognition of words and phrases by Google's Vision AI
- **Technical Skills:** Python with OpenCV, VisionAI (Google), Flask, zbar

Skills

Programming

Python (Pandas, PyTorch, NumPy, Scikit-learn., Flask, NetworkX etc.), React(Next.js), Vue.js(Nuxt, Gridsome), Node.js (Express), Docker, HTML/CSS, TailwindCSS, SQL, MongoDB, Java

Computer skills

Linux, Shell (Bash/Zsh), \LaTeX (Overleaf/R Markdown), Microsoft Office, Git.

Soft Skills

Time Management, Teamwork, Problem-solving, Documentation, Presentation skills.

Interests

Cooking

I love to cook. I am experienced in most Indian cuisine.

Video Games

Ever since I was a child, I have always been fond of video games. I mainly play on my phone and occasionally on my PC.

Music

I like almost all types of music: classical, rap and pop.

Languages

Italian

Native speaker

English

C1

German

B2

Bengali

C1

I authorize the processing of my personal data in the curriculum vitae in accordance with Legislative Decree No. 196 of June 30, 2003 and the GDPR (EU Regulation 2016/679).