

# Shimul Chowdhury

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## WORK EXPERIENCE

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### TrustYou GmbH

Mar. 2022 – Present

*Senior Engineer - Backend (Remote)*

*Munich, Germany*

- Ship data-intensive APIs used by TrustYou partners to enable them to create awesome hotel experiences.
- Take responsibility for planning and designing software within a small team.
- Contributed to the rewrite of a legacy platform using FastAPI and SQLAlchemy, implementing asynchronous Python for enhanced efficiency.
- Delivered a 2x performance enhancement by optimizing SQL queries for a UI-blocking business logic.
- Successfully addressed issues in a sub-system connecting various third-party systems, leading to an 80% reduction in reported bug tickets.
- Engaged in shaping design decisions for an innovative and enhanced platform.

### OpenCraft GmbH

Jul. 2020 – Feb. 2022

*OpenSource Developer (Remote)*

*Dhaka, Bangladesh*

- Enhanced and optimized CI/CD pipelines for automated testing and deployment on Kubernetes clusters.
- Developed Terraform scripts to streamline and automate infrastructure deployment.
- Contributed significantly, accounting for 90% of my work, to the Open edX community through active engagement in open-source projects.
- Played a pivotal role in team growth by assuming the additional responsibility of Recruitment Manager.

### Divine IT Limited

Aug. 2016 – Oct. 2018

*Senior Software Engineer*

*Dhaka, Bangladesh*

- Led Web & E-commerce team, developing a custom platform with open-source tools for faster delivery and customization.
- Created a Block-Based Web Content Editor in Django, enabling the marketing team to change content and reducing engineer workload by 30%.
- Streamlined demo preparation, reducing time from several days to minutes with a standardized deployment pipeline.
- Fixed critical segfault error in an inherited legacy codebase.
- Achieved 4x report generation performance boost through SQL query optimization across product lines.
- Resolved a critical security bug, preventing significant monthly losses for our customers.
- Mentored several junior developers and interns, helping them improve their skills through pairing and occasional coaching

## EDUCATION

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### IUBAT—International University of Business Agriculture and Technology

Apr. 2016

*Bachelor of Computer Science & Engineering*

*Dhaka, Bangladesh*

## SKILLS

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Programming Languages - Python, JavaScript, TypeScript, Rust, Java, C

Frameworks - FastApi, Django, Spring Boot, React

Databases - SQL (SQLite, MySQL, PostgreSQL), NoSQL (MongoDB), ElasticSearch, Redis

DevOps - Linux, Git, Ansible, Terraform, Docker, Kubernetes, GitLab CI/CD, AWS