

Nazneen Mulani

With 8+ years of experience as a software Engineer, I specialize in **Python, Java, backend development, REST APIs, and SQL**. Having worked in **Germany and India**, I have contributed to the **Automotive, Media, and IT industries**. I excel in **building scalable systems & support engineering**, with a strong focus on **cloud platforms**.

WORK EXPERIENCE

Outlier.AI, Karad, India. Remote — Coders -AI trainer (*Freelancer*)

Outlier is Artificial Intelligence company for training data model Oct 2024 - Present

Key Contributions:

- **Situation:** Outlier.AI focuses on training data models for **large language models** (LLM).
- **Task:** Develop AI training datasets and improve AI-generated code quality.
- **Action:** Coded in Python to train LLMs, applying **RLHF** techniques to refine AI-generated code.
- **Result:** Enhanced AI coding accuracy and efficiency, contributing to improved generative AI performance.

URBO, Hamburg, Germany — Python Developer (Open Source)

URBO is sustainability tool for urban planning, Oct 2023 - Sept 2024

Key Contributions:

- **Situation:** Lack of **green space** planning in **Indian urban areas** leads to **land waste, health issues, and global warming**.
- **Task:** Developed a web-based platform [URBO](#) using geospatial data to promote green spaces.
- **Action:** **Built backend (Python, FastAPI, PostgreSQL) and frontend (React, StackBlitz)**, hosted on **Render & GitHub**. Integrated 3rd party APIs : Mapple (**geolocation**), OpenWeatherMap (**air pollution**), and HERE Maps (**geocode services**).
- **Result:** Launched a prototype enabling real-time urban planning insights, making **green space planning data-driven** and accessible.

StiboDX, Hamburg, Germany Hybrid — *Software Support Engineer*

Leading newspaper publishing CMS industry worldwide Nov 2022 - Sep 2023

Key Contributions:

- Developed and maintained **CUE CMS core services** using **Java, Python, Django, Spring, GraphQL, Linux, Docker, Kubernetes, Grafana, Dynatrace**, and **Jenkins**.
- **Situation:** CUE CMS, a global publishing platform, needed **continuous development, support, and performance improvements**.
- **Task:** Maintain core CMS services and enhance system performance for seamless publishing.
- **Action:** Provided support, optimized **AWS cloud services (S3, RDS, ELB, CloudFront)**, and improved web loading speed by 20%.
- **Result:** **Improved page load times by 20%, enabling faster content delivery** and enhancing workflow for global news publishers.

Free-Now Hamburg, Germany Hybrid— *Full-Stack Engineer*

Mobility service provider in Europe June 2022 - Sep 2022

Key Contributions:

- **Situation:** WebBooker, a key B2B web app for FreeNow's ride-hailing platform, required ongoing maintenance and enhancements.

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TECHNOLOGIES

Stack

Python, Java, React (Basic)

FastAPI, Django Spring, JPA

Pytest, Junit, Selenium

MySQL, PostgreSQL

RESTful API, OAuth, API gateway

Cloud: AWS & Azure

DevTools: Git, CI/CD, Docker, K8s

Methodologies

Agile Process - Scrum, Kanban

ITIL Certified, SixSigma Trained

EDUCATION

Symbiosis International University, Pune IN

Master in Computer Science

CGPA 3.2/4 | 2013- 2015

Mumbai University

Bachelor in Computer Enggineering

First Class | 2009- 2012

RESEARCH

Master Research Thesis (2015)

Research work : Variant of

COBWEB algorithm for Cloud

security . **Publications:** [Science](#)

[Direct](#) & [IJAER](#)

LANGUAGES

English C2, fluent

German A1, beginner

Hindi native

- **Task:** Improve backend functionality, UI experience, and fix critical bugs for seamless booking.
- **Action:** Developed and maintained **backend features (Java, Spring Boot, Hibernate JPA, AWS RDS)**. Fixed **frontend bugs**, enabling **country-code phone number support** for a smoother user experience. Contributed to **feature requests, bug fixes, and OKR achievements**. Ensured **code quality** and **performance monitoring** using **Bitbucket, GitLab, Datadog, and SonarQube**.
- **Result:** Enhanced **WebBooker's reliability and functionality**, ensuring a **smoother ride-booking process** and achieving key OKRs.

Volkswagen ITS, Pune, India Onsite— Senior Software Engineer

Global automotive company Oct 2019 - Jan 2022

Key Contributions:

- **Situation:** Volkswagen's **CoBra enterprise application** used in European assembly plants relied on outdated technology supporting only **Internet Explorer (IE)**. With **IE's discontinuation on June 15, 2022**, an urgent solution was needed to prevent production disruptions.
- **Task:** Identify browser incompatibility issues, implement short-term fixes, and develop a long-term modernization strategy.
- **Action:** Conducted **UI testing** identifying deprecated JavaScript methods causing incompatibility. Proposed two solutions: 1) Full revamp with **Python, React, Spring MVC, Spring Boot, AWS Cloud, and DevOps**; 2) Short-term **JavaScript** refactoring. Collaborated with teams in **India & Germany**, secured **business approval & budget**, for **hiring of 12 engineers**. Contributed in development of **frontend & backend** while transitioning to a **modern architecture**.
- **Result:** Implemented **short-term fix** preventing **major disruptions** in assembly plants. Secured budget for **cloud-based architecture** with structured modernization plan. Contributed to **COE Cloud domain**, sharing **AWS expertise** across teams.

Cummins Inc, Pune, India Onsite— IT Application Analyst

Global engine manufacturer company June 2015 - Sept 2019

Key Contributions:

- Developed and maintained the **FIMS** web application at **Cummins Tech Center India** using **Java** and **Oracle DB** to track employee billable hours. Gathered requirements via monthly **stakeholder meetings**.
- **Situation:** Oracle **DB slowness** caused delays in monthly finance billing.
- **Task:** Optimize **database performance** and ensure seamless FIMS operation.
- **Action:** Identified & resolved DB slowness, improving **data retrieval speed**. **Indexed, tuned queries, and optimized DB parameters**. Used **Splunk** for performance monitoring and debugging. Enhanced backend using **Java, JSP, Spring MVC, Hibernate, and Shell scripting, Python**.
- **Result:** Doubled Oracle DB performance, reducing financial report processing time. Improved billing **accuracy & efficiency**, ensuring **timely calculations**. Enhanced user experience for finance teams managing billable hours.

Cummins Inc, Pune, India Onsite— Controls Software Engineer

Global engine manufacturer company June 2015 - Sept 2019

Key Contributions:

- Cummins, a **global engine manufacturer**, required **calibration diagnostics software** for ECU development and maintenance. Developed and maintained Web & Desktop applications for this domain using diverse tech stack.
- **Situation:** Needed product **lifecycle improvements** and **cost reduction**.
- **Task:** Enhance ECU calibration tools, contribute to Six Sigma projects, and lead product ownership.
- **Action:** Built & maintained critical applications - **Update Manager, OTT, Client Calibration, VEPS** using **Java, SWING, C#, C++, .NET, Spring MVC, Unit tests, Hibernate, SQL, Installshield**.
- Led **Six Sigma-driven obsolescence in US, China, and India**, retiring two outdated applications to cut costs.

COURSES

Python Development Bootcamp (Oct 2024), KreativeStorm, Berlin, Germany

ITIL certified (May 2021), PeopleCert

Full Stack Development using React, SpringBoot (May 2021), Udemy

Project Management (May 2017), Cummins Inc.

Six Sigma training (Mar 2017), Cummins Inc.

C# 70483 Certification Exam (Oct 2017), Microsoft

- Defined roadmaps, gathered requirements, and led cross-team coordination for project delivery, Participated in Design thinking workshops and in collecting customer voices.
- Acted as **Product Owner, aligning customer needs with business goals.**
- Trained in **Six Sigma DMAIC, FMEA, KJ**, applying process improvements.
- **Result: Employee of the Quarter (2018)** for major product release & process enhancements.
- **Reduced costs & resource usage** by eliminating obsolete applications using Six Sigma Process.

INTERNSHIP

NCR Corporation, Mumbai, India Onsite— Intern

Global Multi vendor ATM Software company June 2016 - Sept 2016

Key Contributions:

- Worked on analysis of Java REST web service and created a POC application.