



MUHAMMAD ZEESHAN YOUSAF

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[LinkedIn](#) | [Github](#)

SKILLS SUMMARY

Languages: Python, Javascript, Node.js, Typescript, HTML, CSS, SQL

Frameworks: Django, FastAPI, Express.js, React JS, Next.js

Databases: SQL (PostgreSQL, MySQL), NoSQL (MongoDB, DynamoDB), Vector DB (Milvus)

Deployment & CI/CD: Docker, AWS, Github Actions, CircleCI

WORK EXPERIENCE

Software Engineer | Coeus Solutions GmbH

Feb 2024 – Present

- Maintained complex financial calculation algorithms in a fintech platform, enabling accurate budgeting, and data-driven financial planning for end users.
- Built intelligent chat and voice agents for business customer support, leveraging Langchain, vector databases, and AI workflows.
- Integrated Google Calendar, and Cal.com with agents based applications for advanced scheduling, booking, and OAuth-based authentication features.
- Architected full-stack web applications using the robust and high-performance frameworks like Django, FastAPI, Node.js and React JS, significantly enhancing platform scalability.
- Collaborated in an agile environment, mentoring juniors, managing PRs, and ensuring high code quality across services.

Associate Software Engineer | Coeus Solutions GmbH

Nov 2021 – Feb 2024

- Built and maintained, a media and text feedback collection platform capturing , with review crawling from external sites.
- Integrated Slack, Microsoft Teams, and Chargebee for real-time collaboration and payment processing.
- Developed a microservices-based healthcare web platform for clinic management and doctor appointments.
- Delivered a CMS web application for customer workorders management, utilizing modern frontend technologies TailwindCSS and ReactJS.
- Gained hands-on experience with deployment workflows with Docker, GitHub Actions, and AWS, enabling smoother CI/CD processes.

EDUCATION

Government College University, Lahore

2019 – 2023

Bachelor of Computer Science (BSCS)

District Public School (DPS) College, Okara

2017 – 2019

Faculty of Science (FSc) Pre-Engineering

RECENT PROJECTS

AllIAgents | Python, FastAPI, LangChain, Next.js

Automated business customer support platform with voice and digital agents.

- Integrated calendar scheduling via chatbot and voice agent for automated appointment booking.
- Implemented Google and LinkedIn sign-in for seamless user authentication.

Altgage | Next.js, Material UI

Fintech app with advanced tools for mortgage finance and planning.

- Resolved all pending issues and implemented improvements in Phase 5, leading to client satisfaction, invoice approval, and project completion.
- Delivered Phase 6, including React 19 & Node.js 22 upgrades, rates and DPA page re-designing, adding mortgage payoff calculator, achieving full client satisfaction.

WaZii | Python, Django, React JS

Stock analysis and auto-trading system based on predictive algorithms.

- Designed and implemented a complex sentiment-analysis algorithm for NASDAQ stocks, from requirement gathering to deployment.
- Developed automated stock trading bots integrated with Alpaca API to execute trades based on predicted sentiment.
- Built React-based application UI, created public website with animations from Figma prototypes, and developed a feature-rich application dashboard.

247MediPlus | Node.js, React JS, Bootstrap

Healthcare platform for clinic management and doctor appointments.

- Developed doctor appointment booking module enabling seamless online consultations.
- Built OTC medication purchase module with secure Stripe payment integration for safe transactions.

CERTIFICATES

Amazon Web Services certifications – AWS Skill Builder

Issued Apr 2024 | Credential ID: E-0E8781

- AWS Technical Essentials, Data Modeling Techniques, AWS Compute Services Overview, Intro to Managing Services, Introduction to AWS IAM, Amazon Dynamo DB Service Introduction

Problem-Solving certification – Hacker Rank

Issued Jun 2023 | Credential ID: b4e9050c3404

- Demonstrated proficiency in algorithms, data structures, and coding problem-solving skills.

JavaScript & React.JS – DevTown

Issued Jan 2023 | Credential ID: Z2i0if

- Certified in modern web application development using React JS, HTML5, CSS3, and JavaScript.

Design the Logical Model of Your Relational Database – OpenClassrooms

Issued Apr 2021 | Credential ID: 6080655572

- Certified in designing relational database schemas using PostgreSQL, RDBMS principles, and programming skills.