Muhammad Ahsan

Full-stack engineer with 2+ years of experience building scalable web applications using JavaScript, Python, and modern DevOps tools.

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Work Experience

CivilFleet - Non-Profit Organization, Berlin　　　　　　　　　　　　　*June 2024 - Present*
Software Engineer - Internal Tools and Infrastructure
- Collaborated with the team lead to build internal tools and dashboards using Next.js and Python, reducing manual reporting time by 30%.
- Managed infrastructure using Kubernetes, ArgoCD, and Traefik, improving deployment efficiency by 25%.
- Provided IT support to 50+ colleagues, resolving 95% of system issues within 2 hours.

Startrum - startrum.com　　　　　　　　　　　　　　　　　　　*Sept 2023 - April 2024*
Junior Full-Stack Engineer
- Developed AI applications using GPT models, increasing user engagement by 25%.
- Built a full-stack web platform with Node.js, Next.js, and MySQL, serving 1K+ monthly active users.

Secomind.Ai - Secomind.ai　　　　　　　　　　　　　　　　　*May 2022 - October 2022*
Junior Backend Engineer
- Implemented a round-robin scheduling system used by 500+ teams, reducing scheduling conflicts by 40%.
- Designed a GraphQL API with TypeScript and MongoDB, improving query response time by 15%.

Technical Skills

Backend: Node.js, Nest.js, Python, Java, REST APIs, GraphQL
Frontend: Next.js, TypeScript, JavaScript (ES6+)
Cloud/DevOps: AWS, Kubernetes, ArgoCD, Docker, Linux
Databases: MySQL, MongoDB, Redis, PostgreSQL
Tools: Git, GitHub, Traefik, Digital Ocean
Methodologies: Agile (Scrum), Test-Driven Development (TDD)

Projects

Bots-Hub: Platform for building custom bots (Nest.js, OpenAI).
Metaroom: E-learning solution with AWS-hosted video streaming (Next.js, TypeScript)
TSAS: Tweet sentiment analysis system (Python, Roberta NLP) – Analyzed 10K+ tweets
Pharmacy App: POS system for pharmacies (Java, MySQL) – Reduced checkout time by 20% for 50+ users.

Education

Technical University of Cottbus (BTU), Germany　　　　　　　　　*April 2024 - Present*
M.Sc. in Artificial Intelligence

Sukkur IBA University (SIBAU), Pakistan　　　　　　　　　　　*Jan 2019 - May 2023*
B.Sc. in Computer Science

- Relevant Courses: Data Structures & Algorithms, OOP, Machine Learning, Digital Image Processing
- Awards: Full Scholarship (2019-2023), 3rd Place in SumoWar Tech Competition (2023)