

Asim Bilal

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Summary

Senior Software Engineer with 8+ years of experience designing scalable microservices, building RESTful APIs, and deploying secure cloud-based systems. Experienced in leveraging **AI-driven automation and intelligent backend solutions** to improve efficiency and data accessibility. Adept at CI/CD pipelines, Agile development, and cross-functional collaboration. Strong communicator and mentor with a passion for clean, maintainable code and aligning engineering execution with business goals.

Professional Experience

Senior Software Engineer, Seven Senders GmbH

06/2021 – 09/2025 | Berlin, Germany

- Designed and developed scalable backend services for B2B logistics and shipment management platforms.
- Improved system performance and API response times by implementing caching strategies and optimizing backend workflows.
- Developed AI-powered solutions, including a Customs Document Classifier and an AI Chatbot for database queries to enhance automation and data accessibility.
- Modernized legacy system to unlock performance and long-term maintainability

Full Stack Developer, Web Wikinger GmbH

08/2020 – 05/2021 | Berlin, Germany

- Developed server-side components using Node.js and Express, integrated with Vue.js frontends.
- Developed custom solutions, widgets, plugins, and themes for Plentymarkets to enhance platform functionality.

Backend Developer, Meevo Healthcare GmbH

03/2020 – 07/2020 | Hamburg, Germany

- Built HIPAA-compliant APIs using Node.js and MongoDB for a health tech platform.
- Refactored legacy backend code for scalability and modularity.

Backend Developer, Exporo

09/2019 – 01/2020 | Hamburg, Germany

- Delivered new features and enhanced existing functionality with a focus on performance and scalability.
- Ensured high software quality through rigorous test-driven development (TDD) practices.

Software Developer, Generations School

04/2017 – 02/2019 | Karachi, Pakistan

- Hired to rebuild legacy systems into a modern ERP system.
- Assisted in developing an ERP system enabling administration to manage payroll, attendance, recruitment, admissions, and student records.

JR Web Developer, Riksof

02/2015 – 03/2017 | Karachi, Pakistan

- Collaborated with multiple teams on diverse projects and independently delivered key features from concept to deployment.
- Led on-site implementation, support, and monitoring under tight deadlines, identifying and resolving production.

Skills

Languages/Frameworks: Node.js, PHP, React, TypeScript, Vue.js, Symfony, Laravel, AngularJS

Databases: MySQL, MongoDB

DevOps/Tools: Docker, Git, GitHub Actions, Jenkins

Cloud: AWS (EC2, S3, CloudFront, RDS)

Concepts: Microservices, RESTful APIs, Unit Testing, CI/CD, Agile/Scrum, OAuth2/JWT, API Security

Data/Message Brokers: Kafka

Projects

AI-Powered Database Query Assistant

- Built an AI-powered chatbot that converts natural language prompts into SQL queries, allowing non-engineers to access data.
- Enabled safe and efficient access to production data for business teams through controlled query execution.

AI-Powered Customs Document Classifier

- Built an NLP-based service using spaCy to automatically extract key information (HS codes, origin country, product details) from customs documents.
- Reduced manual data validation time by over 60%.

CEDAR College Portal

- Involved in the creation of this portal which allows access to administration / students for admissions, interviews, and evaluations and etc

Contentful Importer

- Used Node.js and Contentful API to import 500+ projects with custom tagging logic.

Cross Selling (Widget)

- Developed a smart product suggestion tool with cart integration

Education

Bachelor's in Computer Science, Iqra University

2011 – 2015 | Karachi, Pakistan

Awards

Best Project Award In Distributed Systems (2020)

- Secure 1st position in the semester project based on python.