

ABDUL WASAY AHMED

Full Stack Engineer (MERN / MEAN) | EU Permanent Residency Permit Holder (Niederlassungserlaubnis)

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PROFILE SUMMARY

Full Stack Engineer with 5+ years of experience designing and building scalable web and mobile applications across the MERN and MEAN stacks. Skilled in Node.js, React, Next.js, React Native, Framer Motion, and PHP, with strong backend expertise in microservices architecture, REST and GraphQL APIs, and real-time systems using Socket.io and Kafka. Experienced in cloud deployment and DevOps using AWS (EC2, S3), Docker, Kubernetes, and YAML-based CI/CD pipelines. Proven track record leading backend architecture, mentoring teams, and delivering production-grade software from design through deployment. Holds a Niederlassungserlaubnis (EU permanent residency permit, Germany) and a B1-level German language certificate.

SKILLS

- **Languages & Frameworks:** JavaScript, TypeScript, Node.js, PHP, React.js, Next.js, React Native, Framer Motion, Redux, HTML5, CSS3
- **Backend & APIs:** REST APIs, GraphQL APIs, Socket.io, Microservices Architecture, Kafka, ZooKeeper, Redis / Redis Clustering
- **Databases:** MongoDB, MySQL
- **Cloud & DevOps:** AWS (EC2, S3), Docker, Docker Swarm, Kubernetes, Nginx, PM2, YAML, CI/CD Pipelines, Git, Prometheus, Grafana
- **Stacks:** MERN (MongoDB, Express, React, Node.js), MEAN (MongoDB, Express, Angular, Node.js)
- **Tools & Other:** Bootstrap, Tailwind CSS, jQuery, Shopify App Development, Six Sigma (White Belt)
- **Professional Skills:** Leadership, Project Management, Problem-Solving, Process Improvement, Cross-Functional Collaboration

EXPERIENCE

Senior Full Stack Engineer

May 2024 – Present

A4Next GmbH — Kiel, Germany

- Led the digitalization of company-wide paper-based workflows into a custom-built ERP software solution.
- Drove backend architecture design and implementation of microservices using Node.js.
- Built and maintained robust Node.js REST APIs powering core business operations.
- Deployed and managed AWS services, including EC2 instances and S3 buckets, for production workloads.
- Configured Nginx and load balancers to ensure high availability and performance.
- Implemented Node.js Socket.io to deliver real-time data updates across the application.
- Built React and Next.js dashboards focused on usability and performance.
- Applied Kafka for event streaming and used Docker, Docker Swarm, and Kubernetes for container orchestration.

Senior Full Stack Engineer

May 2023 – March 2024

Jumppace

- Directed backend architecture design and execution of microservices implementation.
- Developed Node.js REST APIs and GraphQL APIs for core platform services.
- Managed deployment and integration of AWS services, including EC2 and S3 buckets.
- Implemented Nginx and load balancers to optimize traffic distribution and uptime.
- Used Node.js Socket.io to enhance real-time application capabilities.
- Built and maintained React and Next.js dashboards for improved user experience.
- Applied Kafka and demonstrated Docker, Docker Swarm, and Kubernetes orchestration skills.

Full Stack Engineer

Nov 2022 – Apr 2023

Swag Kicks — Karachi, Pakistan

- Led development of a thrift-based ERP system from concept to deployment.
- Built a React Native mobile application to extend platform reach to mobile users.
- Designed, built, and launched a full e-commerce website end-to-end.
- Developed and integrated custom Shopify apps to extend store functionality and improve UX.

Full Stack Engineer

Aug 2021 – Sept 2022

iEDGE — Karachi, Pakistan

- Developed an audience-interactive game using JavaScript and Node.js.
- Designed and built an in-house accounts management system.
- Engineered an in-house CRM solution to streamline customer data management.

EDUCATION

Bachelor in Computer Science

2017 – 2020

Sir Syed University of Engineering & Technology — Karachi, Pakistan

CERTIFICATIONS & COURSES

- Software Architect — LinkedIn Learning (Sept 2023)
- Six Sigma White Belt — The Council for Six Sigma Certification, CSSC (Aug 2023)
- Pearson Test of English (English Language Certification) — Pearson (June 2022)
- German Language Certificate — B1 Level (telc)

LANGUAGES

- **English:** Listening C2, Reading C2, Writing C2, Spoken Production C1, Spoken Interaction C1
- **German:** B1 Level (Independent User), certified

Proficiency levels: A1–A2 Basic User | B1–B2 Independent User | C1–C2 Proficient User

WORK AUTHORIZATION

Niederlassungserlaubnis (EU Permanent Settlement / Residency Permit, Germany) — authorized to live and work in Germany and the EU without visa sponsorship.