

Al-Mamun

FULL STACK DEVELOPER · FLUTTER · NEXT.JS · NODE.JS · PYTHON · AZURE · CLOUD

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Full Stack Developer with 4+ years of professional experience designing and delivering end-to-end software solutions spanning frontend, backend, mobile, and cloud. Proficient in Flutter, Flutter Web, Next.js, React, TypeScript, JavaScript, Python, FastAPI, Node.js, NestJS, PostgreSQL, and Azure. Holds an M.Sc. in Web Engineering from Chemnitz University of Technology, with additional expertise in AI-integrated backends (LLMs, RAG, LangChain). Passionate about building scalable, production-grade applications from UI to infrastructure.

FULL STACK EXPERIENCE

Enloc AG, Dresden, Germany

May 2023 – Apr 2026

Software Engineer · Full-Time

- Delivered EN.Tab end-to-end — a digital property management platform — building the full Flutter / Flutter Web frontend and integrating NestJS, Node.js, and C# backend services via REST APIs for Android, iOS, and browser deployments across Germany.
- Designed and maintained PostgreSQL database schemas, wrote optimised SQL queries, and implemented data migration scripts in collaboration with the backend team.
- Built FastAPI and TypeScript/JavaScript REST endpoints for internal data processing and third-party API integration, consumed by both mobile and web clients.
- Architected offline-first real-time sync using SQLite on client and cloud backend APIs, ensuring resilient data consistency in field environments.
- Implemented Azure cloud services — authentication, blob storage, and Azure Static Web Apps — integrated end-to-end through the Flutter Web frontend.
- Owned CI/CD pipeline via Fastlane and Azure DevOps, automating deployments to App Store, Google Play, and Azure Static Web Apps.



App-Concept GmbH, Germany

Oct 2021 – Apr 2023

Software Engineer · Werkstudent

- Built and shipped JobsNavi full stack — a Next.js 13 web frontend with SSR and dynamic routing, backed by Google Cloud Functions (Node.js serverless) and Firestore real-time database.
- Developed reusable React and Next.js component libraries in TypeScript alongside cross-platform Flutter apps for multiple client products.
- Integrated Firebase Authentication, Firestore, and Google Cloud Storage across frontend and backend layers for secure, real-time multi-client architectures.
- Delivered REST API integrations for Google Maps SDK, push notifications, and email automation workflows — consuming and exposing endpoints full-stack.
- Transformed Figma designs into production UIs across both Flutter (mobile/web) and React/Next.js (web) platforms.



AI Full Stack & LLM Application Development

2023 – Present

Full Stack Engineer · Personal & Academic Projects

- Built full-stack AI apps: FastAPI backend with LangChain RAG pipelines + Next.js 14 / React frontend integrating real-time LLM responses into chat interfaces.
- Designed RAG pipelines using LangChain, Pinecone, and Qdrant for semantic search, with TypeScript frontend components consuming the FastAPI endpoints.
- Built n8n automation workflows orchestrating LLMs, REST APIs, and databases end-to-end — backend pipelines triggered from web frontend actions.
- Developed Flutter Web PWA frontends with responsive layouts consuming Python/FastAPI and Node.js microservice backends.



Royex Technologies, Bangladesh (UAE-based)

Jul 2020 – Jan 2021

Jr. Software Engineer

- Built e-commerce frontend for Alaasaq in Flutter with Magento REST API integration — full client-to-backend data flow.
- Developed Swalifna live video streaming interface using Agora.io SDK with real-time signalling backend integration.
- Converted Adobe XD designs for Taddreb school management app into full Flutter frontend consuming REST backend services.



CERTIFICATIONS & TRAINING

MCP Hands-on: AI Agents & API Integration Workshop

May 2026

Dev Day 2026, Dresden · Telekom MMS, esveo, Cloud&Heat Technologies, NETWAYS

Build with AI: Scaling Multi-Agent Apps Workshop

May 2026

Google Developer Group · GDG Build with AI 2026

Microsoft Azure AI Essentials: Workloads & Machine Learning on Azure

2025

LinkedIn Learning · Microsoft Azure AI Learning Path

Google AI Professional Certificate

2026

Coursera · Google Career Certificates

EDUCATION

M.Sc. Web Engineering

2021 – 2026

Chemnitz University of Technology, Germany

Scalable software systems, distributed architectures, cloud engineering, full-stack web & mobile development, API design, AI-driven applications.

FULL STACK SKILLS

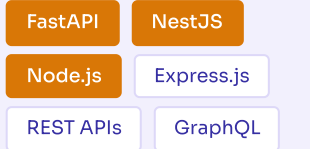
FRONTEND & MOBILE



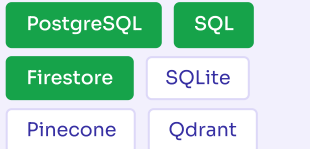
LANGUAGES



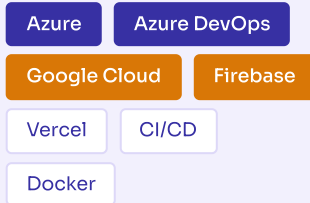
BACKEND & APIS



DATABASES



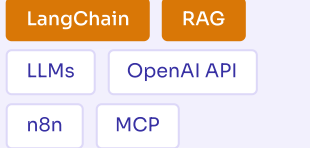
CLOUD & DEVOPS



STATE & ARCHITECTURE



AI / EMERGING



UI / DESIGN



LANGUAGES

English B2 · IELTS

German A2 → B1

Bengali Native

TOOLS

Figma · Adobe XD · Postman
VS Code · Android Studio
Jira · Confluence · Agile
GitHub · GitLab · Fastlane
macOS · Linux · Windows