

Arfat Hossain

Full Stack Software Engineer | Frankfurt am Main, Germany | Open to relocation
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Professional Summary

Full Stack Software Engineer with 4+ years of experience building enterprise and e-commerce systems with React, Next.js, TypeScript, Node.js, NestJS, PostgreSQL, and AWS. Former Senior Software Engineer at Patricius IT on assignment to PETRONAS Digital, delivering full-stack features, serverless workflows, and automated tests with more than 75% coverage. Full Stack Software Engineer and Co-founder of Market Bangla, contributing part-time to platform architecture, payments, search, CI/CD, product improvements, and developer mentoring.

Technical Skills

Frontend: React, Next.js, TypeScript, Redux Toolkit, Tailwind CSS, Chakra UI, Ant Design

Backend & Data: Node.js, NestJS, HapiJS, Fastify, GraphQL, REST APIs, PostgreSQL, Drizzle ORM, Prisma, MeiliSearch

Cloud, Testing & Security: AWS Lambda, S3, SQS, SNS, Serverless Framework, Docker, GitLab CI/CD, Azure DevOps, Jest, Mocha, Chai, SonarCloud, Security Scanning (VAWA), RBAC, JWT

Professional Experience

Patricius IT

Remote

Senior Software Engineer / Client assignment: PETRONAS Digital Sdn. Bhd.

July 2022 – December 2024

- Developed reusable React and TypeScript components aligned with PETRONAS' internal design system and maintained backend services using NestJS, GraphQL, JavaScript, Python, and AWS Lambda.
- Designed PostgreSQL schemas using Drizzle ORM and raw SQL and implemented AWS S3, SQS, and SNS workflows through the Serverless Framework.
- Wrote automated tests with Jest, Mocha, and Chai, maintained more than 75% test coverage, passed SonarCloud quality gates, and resolved VAWA security-scan findings.
- Delivered frontend and backend features across five PETRONAS enterprise platforms: e-Invoicing (E-Invoice), billing and reporting (PACES), digital learning (Digital Academy), pipeline inspection (Falcon), and vessel reservation and tracking (STEAR); mentored junior developers and collaborated in international Agile Scrum teams.

Market Bangla Limited

Remote

Full Stack Developer → Full Stack Software Engineer & Co-founder / Part-time since March 2022 November 2020 – Present

- Led development of the Next.js and React storefront, internal CMS, HapiJS REST APIs, PostgreSQL database, inventory modules, and account workflows.
- Integrated SSLCommerz and bKash payment gateways and migrated product search from Algolia to MeiliSearch.
- Implemented AWS S3 file handling and GitLab CI/CD workflows for deployment on AWS.
- Guide platform architecture, technical strategy, product improvements, long-term technology decisions, and developer mentoring.

Selected Project

MarketBangla.com

Public E-commerce Platform

Full Stack Developer → Full Stack Software Engineer & Co-founder

November 2020 – Present

- Built the end-to-end platform, including the Next.js and React storefront, internal React CMS, HapiJS REST APIs, PostgreSQL database, inventory modules, and account-management workflows.
- Integrated SSLCommerz and bKash payment gateways, implemented AWS S3 image handling, and migrated product search from Algolia to MeiliSearch.
- Established GitLab CI/CD workflows for deployment on AWS and currently guide platform architecture, technical strategy, product improvements, and developer mentoring on a part-time basis.

Education

Frankfurt University of Applied Sciences

M.Sc. High Integrity Systems

Frankfurt am Main, Germany

April 2024 – Present

Rajshahi University of Engineering & Technology

B.Sc. Computer Science and Engineering – First Class

Rajshahi, Bangladesh

March 2013 – December 2017

Recognition & Languages

Recognition: PETRONAS Focused Recognition, e-Invoice Project Team (September 2024); Think in a Redux Way, 99%+ marks and top-course performance (April 2023).

Languages: English (C1); German (A2, currently improving).