Abdullah Al Mahmud
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Professional Summary

Software Engineer with around **3 years** of experience in designing, developing, deploying and maintaining web applications. Proficient in **backend** technologies, including javascript frameworks like **Node.js**, **NestJ**. Other languages like **Python** and **Go**, with extensive experience in creating robust APIs and database management. Proven ability to build complex dashboards and admin panels using the **MERN stack** and deploy full-stack **SaaS applications**. Strong knowledge of cloud services (**AWS**, **GCP**, **Digital Ocean**) and containerization (**Docker**, **Kubernetes**). Skilled in **collaborating** with cross-functional teams and leveraging project management tools for effective workflow.

Education

Bachelor of Science
North Bengal International University (NBIU), 2022

Technical Skills

Backend Technologies:

- **Languages & Frameworks:** Node.js, NestJS, Express.js, Go, Python, TypeScript, JavaScript
- **API Development:** RESTful, GraphQL, WebSockets
- **Databases:** MongoDB, MySQL, MariaDB, PostgreSQL, Graph Databases, Vector Databases
- **Caching:** Redis
- **Message Queuing:** RabbitMQ, Apache Kafka
- **Security & Authentication:** JWT, OAuth2, SSL/TLS, Encryption
- **Containerization & Orchestration:** Docker, Kubernetes (Beginner)

Frontend Technologies:

- **Frameworks:** React.js, React Native, Next.js, Nest.js, Vite (for SSR and CSR)
- **Libraries & Tools:** Redux, Redux Toolkit, RTK Query, Material UI, TailwindCSS, Ant Design, Daisy UI, Shadcn
- **Responsive Design:** HTML5, CSS3, Bootstrap, SASS, Media Queries

DevOps & Cloud Infrastructure:

- **Cloud Platforms:** AWS (EC2, S3, RDS), Google Cloud Platform (GCP), Linode, Digital Ocean
- **Monitoring & Logging:** Prometheus, Grafana, Morgan, Netdata
- **CI/CD Pipelines:** Jenkins, GitHub Actions
- **Infrastructure as Code:** Terraform (Basic)
- **Load Balancing & Scaling:** Nginx
- **Servers:** Nginx, Apache

Version Control & Collaboration:

- **Tools:** Git, GitHub, GitLab
- **Project Management:** Jira, Trello, Slack

Operating Systems & Environments:

- **OS:** Various flavors of Linux, Windows, macOS
- **CLI & Bash Scripting:** Windows CLI, Linux Bash, Git Bash

Professional Experience

Netro Systems
Senior *Software Engineer*
Jan 2023 – Present, Rajshahi, Bangladesh

- Design and develop backend services for mobile applications, admin panels, and websites using Node.js, NestJS, and Go.
- Configure and maintain VPS from various cloud providers like AWS, GCP, Linode, and Digital Ocean.
- Utilize LLMs for specialized tasks from OpenAI and Hugging Face to enhance product capabilities.
- Review code to ensure proper structure and maintainability, delivering pixel-perfect responsive web applications based on Figma or Adobe XD designs.
- Develop and deploy full-stack SaaS products with Stripe and other payment systems on platforms like Vercel and AWS.
- Create scalable APIs for internal company processes and improve performance through load balancing and optimization techniques.

NML Bangladesh
MERN Stack Developer
Apr 2022 – Dec 2022, Rajshahi, Bangladesh

- Developed server and client-side applications using React.js, Node.js, and Express.js.
- Responsible for designing and implementing web pages based on mock-ups and ensuring responsive design.

- Created and maintained RESTful APIs, optimizing for performance and scalability.

ChalDal.Tech
UI Developer (Intern)
Jan 2022 – Mar 2022, Dhaka, Bangladesh

- Developed and designed SPA user interfaces in ReactJS, ensuring compatibility across multiple browsers.
- Created dynamic and responsive web pages using HTML, CSS, and JavaScript, adhering to W3C standards.
- Engaged in team collaboration to enhance frontend functionality and user experience.

Certifications

- Introduction to Containers w/ Docker, Kubernetes & OpenShift

- Decentralized Finance (DeFi) Infrastructure

- Data Structures

- Cryptography I

- AWS S3 Basics

- Getting Started with Git and GitHub

- HTML, CSS, and Javascript for Web Developers

- Introduction to Web Development with HTML, CSS, JavaScript

- Introduction to Data Analytics

- Foundations: Data, Data, Everywhere

- Ask Questions to Make Data-Driven Decisions