Nahid Reza

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Founding and full-stack engineer with experience building and scaling web and mobile applications using Django, FastAPI, Next.js, and Docker. Skilled in leading software teams, delivering end-to-end projects, and implementing DevOps and cybersecurity best practices. A fast learner who thrives under pressure, I excel in environments demanding rapid, high-quality delivery. Passionate about exploring new technologies, optimizing performance, and driving innovative solutions from concept to deployment.

Technical Skills

- **Frameworks/Languages:** Django, FastAPI, React, Next.js, Typescript, Kotlin, Express.js, Flask, Liquid, C++

- **Database:** PostgreSQL, MongoDB, Firebase

- **Technologies:** Git, Docker, AWS, Kubernetes, Azure, Linux, Google Cloud Platform

Experience

Counterfoil   New York, USA(Remote)

Lead Software Engineer | Backend, Frontend, Devops   *September 2024 - Present*

Tech Stack: Django, FastAPI, Docker, Kubernetes, Azure.

- Designed and launched the B2B AI RevOPS platform for the attractions and activity industry, now serving 50+ active businesses.

- Led the software team to design, build, and scale production-ready applications with high code quality and reliability.

- Improved the application performance by 40% through profiling, caching, and database query optimization.

- Refactored the core application engine, increasing maintainability and reducing developer onboarding time by 50%.

- Led DevOps and cybersecurity initiatives, implementing CI/CD pipelines, monitoring systems, and security best practices to ensure 99.99% uptime and data protection.

Ternary Solutions Inc.   Dhaka, Bangladesh(On-Site)

Founding Engineer | Fullstack   *January 2024 - Present*

Tech Stack: Django, Nextjs, Nodejs, Kotlin, Flutter, Docker, Kubernetes, Azure.

- Spearhead and manage the entire software engineering team, driving technical vision, architecture decisions, and execution across multiple projects.

- Delivered 20+ end-to-end client projects, ensuring high code quality through rigorous reviews, automated testing, and thorough documentation.

- Established engineering best practices and workflows, including testing frameworks, code standards, and scalable infrastructure on Docker and Kubernetes.

- Mentored and onboarded new engineers, fostering a high-performing team culture and accelerating development velocity.

- Owned end-to-end product delivery, from backend and frontend development to deployment, monitoring, and iterative improvements.

- Worked on cross-technology projects, ensuring robust architecture, seamless integration, and long-term maintainability.

MarketSwipe Ltd.   Dhaka, Bangladesh

Contract Based Developer   *March 2025 - July 2025*

Tech Stack: Next.js, Expres.js, Strapi, PostgreSQL, Docker, Javascript

- Built and deployed Next.js applications integrated with Strapi CMS, enabling clients to easily manage and scale dynamic content-driven websites.

- Developed the backend infrastructure for an AI-powered storytelling mobile application for children, integrating natural language generation APIs and ensuring secure, scalable performance.

- Designed RESTful APIs and database schemas to support multi-platform applications, improving maintainability and developer collaboration.

- Implemented CI/CD pipelines and containerized applications with Docker to streamline deployment and reduce delivery time.
- Collaborated directly with non-technical stakeholders, translating business requirements into technical solutions that met deadlines and budgets.
- Delivered projects across diverse domains (web apps, AI platforms, content management), showcasing adaptability and end-to-end ownership.

FARNEX Ltd.   Dhaka, Bangladesh

IT & Tech Consultant   *August 2023 - Present*

Tech Stack: Next.js, Strapi, PostgreSQL, Docker, Javascript, Flask, Node.js

- Advised stakeholders on technology strategy, architecture design, and implementation to align IT solutions with business goals.
- Designed and delivered scalable web applications and APIs using Next.js, Flask, and Node.js, ensuring high performance and maintainability.
- Set up and optimized Dockerized environments, streamlining deployments and improving developer productivity.
- Deployed and configured a self-hosted Odoo ERP system on the client's internal network, including server provisioning, network configuration, and module customization to automate core business workflows.
- Conducted code reviews, security audits, and performance optimizations to enhance system reliability and scalability.

Teal & Mandy   Newark, Delaware 19702, USA (Remote)

Software Engineer | Frontend   *May 2023 - December 2023*

Tech Stack: React, Next.js, Payload CMS, Docker, Javascript, Typescript, Node.js, AWS

- Collaborated with cross-functional teams to review software requirements, designs and implement responsive and user-friendly web applications.
- Managed the frontend team to develop and maintain websites using Next.js, ensuring high-performance and responsive user interfaces.
- Created blazing fast server-sider application using Nextjs and Payloadcms following industry best practices and achieving 95+ lighthouse score.
- Containerized applications using Docker, optimizing deployment processes for consistency across environments and deployed on AWS resulting in 0.75 platform cost.
- Created CI/CD pipelines, streamlining the development, testing, and deployment processes.
- Created comprehensive documentation outlining general software lifecycle processes and coding standards for the company.

Education

B.Sc. in Computer Science & Engineering   *May 2019 – May 2023*

East West University | Dhaka, Bangladesh

Projects

Web Hosting Sass Platform

Tech Stack: AWS, Express.js, Next.js, Kubernatese

- Developing a cloud hosting platform from scratch on AWS, enabling users to deploy and manage web applications seamlessly focusing mostly on BLUE/GREEN Deployment for 100% uptime.
- Building backend services with Express.js and server-side rendering/front-end interfaces with Next.js for high performance and scalability.
- Implementing user management, billing, and deployment pipelines, integrating AWS services for reliability and efficiency.
- Designing the platform architecture for scalability, security, and maintainability, leveraging cloud-native best practices and automated monitoring.

Publications

- N., Reza *et al.* (2023). MRI-Based Brain Tumor Classification Using Various Deep Learning Convolutional Networks and CNN. In: Vasant, P., *et al.* Intelligent Computing and Optimization. ICO 2023. Lecture Notes in Networks and Systems, vol 729. Springer, Cham. https://doi.org/10.1007/978-3-031-36246-0_17
- N., Reza *et al.* (2023). Green Banking Through Blockchain-Based Application for Secure Transactions. In: Vasant, P., *et al.* Intelligent Computing and Optimization. ICO 2023. Lecture Notes in Networks and Systems, vol 853. Springer, Cham. https://doi.org/10.1007/978-3-031-50327-6_24