

Mostafa Maged Nagedy

Full Stack Software Engineer | MERN Stack Developer

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PROFESSIONAL SUMMARY

Full Stack Software Engineer specializing in the MERN stack with hands-on experience building scalable, secure, and maintainable web applications using React.js, Next.js, Node.js, Express.js, and MongoDB. Experienced in designing RESTful APIs, implementing JWT authentication and role-based access control, developing reusable frontend architectures, and integrating third-party services. Strong foundation in DevOps, Docker, CI/CD, Linux, and AWS cloud technologies. Experienced in Agile development, Git-based workflows, API testing, database design, and production-oriented application development.

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript ES6+, HTML5, CSS3, Tailwind CSS, Bootstrap, Material UI, Redux Toolkit, React Router, React Hook Form, Responsive Web Design

Backend: Node.js, Express.js, RESTful APIs, JWT Authentication, OAuth, RBAC, Bcrypt, Multer, Joi, API Validation, Middleware Architecture

Databases: MongoDB, Mongoose, MySQL, SQL Server, Supabase, Database Design, CRUD Operations

DevOps & Cloud: AWS, Docker, Docker Compose, Kubernetes, GitHub Actions, CI/CD, Terraform, Linux, Vercel, Prometheus, Grafana

Tools & Technologies: Git, GitHub, Postman, Redis, BullMQ, npm, Agile/Scrum

Programming: JavaScript, TypeScript, C++, SQL

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer — Digilins

Dec 2025 – Sep 2026

- Developed full-stack web applications using React.js, Node.js, Express.js, and MongoDB following scalable and maintainable architecture patterns.
- Designed and implemented RESTful APIs for authentication, users, products, orders, and core business operations.
- Implemented secure authentication and authorization using JWT, protected routes, password hashing, and role-based access control.
- Designed MongoDB schemas and integrated Mongoose models for efficient data management and business workflows.
- Built reusable React components and frontend modules using modern state-management and form-handling practices.
- Applied backend validation and centralized error-handling middleware to improve API reliability and security.
- Used Git and GitHub for version control and collaborative development workflows.
- Applied Docker and CI/CD concepts to improve application deployment and development workflows.
- Worked with DevOps tools and cloud technologies including Docker, Kubernetes, Terraform, GitHub Actions, and AWS.

FEATURED PROJECTS

NeGo Platform — MERN E-Commerce Platform

React.js, Node.js, Express.js, MongoDB, Redux Toolkit, Tailwind CSS

- Developed a multi-vendor commerce platform supporting authentication, authorization, product management, and order workflows.
- Implemented JWT-based authentication and Role-Based Access Control (RBAC).
- Built RESTful APIs using Node.js and Express.js for core business operations.
- Designed MongoDB data models using Mongoose.
- Developed reusable React components and managed application state using Redux Toolkit.
- Implemented protected frontend routes and backend authorization middleware.

Emergency Department Management System

React.js, Tailwind CSS, Supabase, Context API

- Developed a real-time emergency department management dashboard.
- Implemented CRUD operations for staff, patients, and hospital beds.
- Built responsive dashboard interfaces for managing emergency department operations.
- Integrated Supabase for database operations and real-time application data.
- Implemented centralized state management using React Context API.

AGRSUP E-Commerce Platform

React.js, Node.js, Express.js, MongoDB, Stripe

- Developed a full-stack e-commerce platform for agricultural supplies.

- Implemented user authentication, authorization, product management, and order workflows.
- Integrated Stripe payment processing for online transactions.
- Developed RESTful APIs and connected frontend components with backend services.
- Implemented secure password handling and protected application resources.

EDUCATION

Bachelor's Degree — Faculty of Science and Education, Mathematics Department

Sohag University | 2019 – 2023 | Grade: Excellent

CERTIFICATIONS

- AWS Certified Cloud Practitioner (CLF-C02)
- Meta Front-End Developer Professional Certificate — Coursera
- Advanced DevOps Tools and Practices — Coursera / Packt

ADDITIONAL TECHNICAL KNOWLEDGE

- REST API Design and Integration
- Authentication and Authorization
- Role-Based Access Control (RBAC)
- API Security and Backend Validation
- Database Modeling
- Git and GitHub Workflows
- Docker Containerization
- CI/CD Pipelines
- Cloud Computing and AWS
- Linux Administration
- Agile/Scrum Development
- Software Architecture and Clean Code Principles