MOHAMMED IBRAHIM

Full Stack Developer

Coventry, UK | Phone: 07767002516 | mr.hamood277@gmail.com

Portfolio: mohammedhaydar.com | linkedin.com/in/mohammedhaydar | github.com/MHMDHIDR

Professional Summary

I'm a Full Stack Developer with a BSc in IT and real-world project experience building cloud-native apps using React, Next.js, and AWS. Experienced in Node.js, PostgreSQL, Digital Ocean and AWS (EC2, Lambda, S3), TypeScript, and AI powered Web Apps with an emphasis on agile delivery and TDD. Comfortable learning new technologies as needed.

Projects

John Al Shiekh AI English Examiner Live Site | Github   **Apr 2025 – May 2025**
- Achieved 100 daily active users, by architecting and deploying a cloud-native Next.js application with real-time voice interaction for English proficiency testing.
- Deployed a customized droplet in Digital Ocean (VPS) to allow for better performance.
- Enhanced average response latency under 200ms and 95%+ speech recognition accuracy in controlled tests.

Restaurant Management and Online Ordering System Live Site | GitHub   **Dec 2024 – Jan 2025**
- Designed and deployed cloud-native backend infrastructure with a real-time order tracking using **Next.js / AWS Gateway WebSocket APIs, improving response latency by 25%.**.
- Built payment processing logic with Stripe's secure APIs, achieving PCI DSS compliance.
- Created vendor management microservices to support multi-tenant scalability.

Shms Agricultural Investing Platform Live Site | GitHub   **Sep 2022 – Dec 2024**
- Developed financial workflow logic and user dashboards to manage £500K+ investment portfolios.
- Improved user engagement through robust account management and responsive UI design.

CRM System Live Site | GitHub   **Sep 2023 – Jan 2024**
- Built modular backend architecture for task tracking and user management.
- Increased data retrieval performance by 30% through optimized RESTful API queries.
- Integrated role-based access control using Auth.js to enforce secure user operations.

Sudan Academic Journal for Research and Science Live Site | GitHub   **Sep 2020 – May 2021**
- Created a journal platform with advanced search functionality and security features, using PHP, JavaScript, and Bootstrap, which is hosted in a configured VPS for optimal performance
- Optimised the platform for performance on a configured VPS

Key Technical Skills

- Frontend: React.js, Next.js, HTML5, SCSS, Responsive UI Design
- Backend & APIs: Node.js, Express.js (Fastify equivalent), REST APIs, WebSockets, Microservices.
- Cloud & Infrastructure: AWS EC2, Lambda, S3, Digital Ocean, CI/CD (GitHub Actions), SRE Practices
- Databases: PostgreSQL Database, MySQL, MongoDB, DynamoDB.
- Performance & Caching: Redis (equivalent use cases), rate limiting, real-time optimization.
- Security: JWT & OAuth Authentication, Rate Limiting, RBAC, PCI-DSS Compliant Payments
- Methodologies: Agile Delivery, TDD, Code Reviews.
- AI Integration: OpenAI, Vapi, Whisper (STT), ChatGPT API for live transcription

Education

First Class Honours BSc Science in Information Technology, Middlesex University - London, UK
Relevant Modules: Advanced Web Development with Big Data (AWS Lambda, DynamoDB, SageMaker, AND Web-Based Mobile App Development (Vue.js, Mobile PWAs, AWS Elastic Beanstalk)