MOHAMED ELFADIL

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Second New Cairo
Egypt

Software Engineer
Full Stack Development | DevOps | Database Management
Proven expertise in building scalable software, solving complex challenges, and optimizing processes. Skilled in project leadership, innovative technology implementation, and cross-functional collaboration to deliver impactful results.

WORK EXPERIENCE

Business Intelligence Analyst – *eFleet* *Management Co. Ltd., Sudan*
June 2022 – April 2023

- Developed in-house software solutions for the VRP, leading to a 100% reduction in outsourced projects.
- Introduced a new routing method, leading to a division under my leadership.
- Secured a million-dollar partnership with a leading Sudanese company, driving a 300% increase in revenue.
- Managed data pipelines and created dashboards to support decision-making.

Performance Monitoring Dashboard Developer – *Halan* *Co. Ltd., Sudan*
Jan 2022 - Mar 2022

- Identified KPIs and designed a dashboard to improve decision-making and operational efficiency by 20%.
- Developed a web app to streamline data entry, improving accuracy by 15%.
- Trained a forecasting model, increasing predictive accuracy by 25%.
- Implemented role-based access control, reducing report generation time by 30%.

EDUCATION

BS in Computer Science – *Future University, Sudan*
April 2022 | CGPA: 3.69
Full Stack Software Engineering Certificate – *ALX SE (Holberton School), Global*
Sept 2024

PROJECTS

Collabor8 – *August 2024*

- Led a team to develop a collaborative code editor, improving real-time collaboration.
- Managed real-time communication and seamless platform deployment.
- Strengthened teamwork and problem-solving in a fast-paced environment.

Lexilink – *April 2024 – May 2024*

- Co-developed a platform connecting students with English tutors, managing the entire project lifecycle.
- Designed user stories, gathered requirements, and prioritized tasks.
- Enhanced leadership and communication skills through project management.

TECHNICAL SKILLS

Programming Languages:
- Python, JavaScript (ES6), TypeScript, SQL, Bash, C, HTML, CSS, Java, Flutter, PHP

Frameworks & Libraries:
- Backend: Flask, NestJS, ExpressJS
- Frontend: React, Bootstrap, TailwindCSS
- Data Analytics: Scikit-learn, Pandas, Numpy, Plotly
- Real-time Collaboration: Yjs, Hocuspocus
- State Management: Redux

Databases:
- MySQL, PostgreSQL, MongoDB, Redis

DevOps & Cloud:
- Docker, AWS, NGINX, HAProxy, GitHub Actions

Version Control & Collaboration:
- Git, GitHub, GitLab

Testing & Debugging:
- Unittest, Jest, : Chrome DevTools, VS Code Debugger

APIs & Integrations:
- RESTful APIs, GraphQL, WebSocket Communication

SOFT SKILLS

- Problem Solving
- Team Coordination & Communication
- Data Analysis, Visualization, and Trend Identification
- Teaching & Mentoring