

## Reem El Fadil Abd Allah Mahamoud

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## PROFESSIONAL SUMMARY

Enthusiastic and experienced full-stack developer with 5+ years of expertise in backend development, application support, and operations. Proven track record in developing scalable, secure server-side applications and supporting customer-facing services. Experienced in maintaining deployed applications, managing incidents, troubleshooting, and collaborating in DevOps environments to enhance system performance. Adept in ensuring the highest quality levels of services through proactive maintenance and continuous improvement.

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## SKILLS

- **Programming Languages:** Java, Python, TypeScript, JavaScript, PHP
  - **Backend Frameworks:** Spring Boot, Flask, Node.js, Express.js
  - **Web Technologies:** HTML5, CSS3, SASS, JSON, AJAX, Bootstrap
  - **Databases:** MySQL, SQLite, Oracle (including Oracle APEX), MongoDB
  - **APIs:** REST APIs, API Development and Integration
  - **Tools:** Git, Docker, GitHub, Maven, Jenkins, Unit Testing, Monitoring Tools
  - **Methodologies:** Agile, DevOps, SRE, CloudNative Deployment
  - **Languages:** Arabic (Native), English (Fluent)
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## PROFESSIONAL EXPERIENCE

### Full Stack Developer

*Smart Solutions Inc. (Remote) — August 2024 - Present*

- Managed daily operations and maintenance of deployed applications, ensuring they operate at optimal performance levels.
- Collaborated with the e-Services and Applications Dev Team to support system updates, including performance monitoring and issue resolution within SLAs.
- Conducted periodic health checks, preventive maintenance, and incident management (including fault analysis and corrective actions).
- Designed and maintained REST APIs for seamless integration and secure data communication between the front-end and back-end.
- Participated in the roll-out of new releases and system updates, supporting testing and operational acceptance.
- Technologies: Flask, HTML, JavaScript, SQLite, REST APIs, Docker

### Full Stack Developer

*Electronic Banking Services Company, Khartoum, Sudan — March 2018 - April 2020*

- Developed and maintained web applications in Java and Python, ensuring reliability, scalability, and high availability of customer-facing services.
- Supported monitoring and troubleshooting of applications, enhancing uptime and performance, and coordinating with stakeholders to resolve incidents quickly.
- Worked closely with DevOps teams to ensure smooth rollouts of new features and updates in a highly collaborative environment.
- Provided technical reports on application performance, capacity, and incident resolutions.
- Technologies: Java, Spring MVC, Maven, Python, MySQL, REST APIs, Agile methodologies

## **Full Stack Developer**

*Ministry of Higher Education & Scientific Research, Khartoum, Sudan — March 2017 - April 2019*

- Led the development of a secure and efficient student admission system, overseeing its daily operations, troubleshooting, and maintenance.
- Collaborated with various teams to manage and enhance the system's infrastructure, ensuring capacity management and optimal performance.
- Assisted in acceptance testing and ensured that systems met operational acceptance standards for new releases.
- Supported incident resolution and handled performance monitoring for applications to ensure seamless user experience.
- Technologies: Java, Oracle, Spring Framework, REST APIs, Agile methodologies

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## **PROJECTS**

### **Smart Hub — Online Library Platform**

- Designed and developed a user-centric online library platform with intuitive UI/UX.
- Technologies: Flask, HTML, JavaScript, SQLite, REST APIs
- Key Contribution: Improved resource access and user engagement through optimized back-end functionality and secure user authentication.

### **Dashboard for Institute of Endemic Disease**

- Built a data analysis web application to provide actionable insights through visualizations and reports.
- Technologies: R, SQLite
- Key Contribution: Enhanced data-driven decision-making through efficient data management.

### **Student Admission System**

- Developed and optimized the student admission system for the Ministry, improving data management and processing efficiency.
- Technologies: Java, Oracle
- Key Contribution: Streamlined the entire student admission process and improved system security.

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## EDUCATION

**Student, ALX\_SE Academy** — *July 2023 - Present*

**Master's Degree in Computer Science**, University of Khartoum — faculty of mathematics and sciences *Jan 2018 - Jan 2019*

**Bachelor's Degree in Computer Science**, University of Khartoum — *2011 - 2016*