Eslam Ali Mahmoud Mohamed
DevOps Engineer | CKA Certified

Total Exp: 9 Years
DevOps Exp: 4 Years
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Current location: Cairo, Egypt

Summary:

Experienced DevOps engineer with 9 years of cumulative experience, including 4 years specifically focused on DevOps practices. Demonstrated history of contributing to both DevOps initiatives and software development within the banking industry.

Education:

- Bachelor of Computer Science, Faculty of Computer science and information technology, O6U – October 6 University, Computer science department, Class of 2016.

Certificates:

- CKA: Certified Kubernetes Administrator

- ICAgile Certified Professional

Work Experience:

- **MDI (Misr Digital Innovation): September 2024 – Present**
  - Position: Lead DevOps Engineer.
  - Responsibilities:
    - Led the transition and takeover of DevOps operations from Atos, managing on-premises technologies.
    - Designed and implemented improvements to existing architecture to resolve system inefficiencies.
    - Managed and secured CI/CD pipelines across multiple DevOps teams.
    - Ensured integration and automation using tools like JFrog, Ansible, and SonarQube.
    - Implemented SAST and DAST for continuous security testing in the DevOps pipeline.
    - Managed version control, repository access, and security within GitHub Enterprise.
    - Oversaw the use of Jenkins for automation and OpenShift for container orchestration in on-prem environments.
    - Accountable for all DevOps-related tasks and security compliance across teams.

- **BanqueMisr: February 2021 – September 2024**
  - Position: Senior DevOps Engineer.
  - Responsibilities:
    - Spearheaded the transition from manual workflow to automated development life cycle for BanqueMisr, encompassing both legacy and newly developed applications.
    - Currently leading a transformative project to transition traditional workflows to DevOps methodologies, including selecting the appropriate technology stack and guiding the project team towards successful implementation.

- Collaborated closely with developers to design the architecture of new applications, ensuring alignment with organizational objectives and industry best practices.
- Installed and administered Microsoft Azure DevOps on-premises, facilitating seamless project management and collaboration among team members.
- Developed Dockerfiles to streamline application deployment processes and enhance scalability and portability.
- Created and maintained OpenShift manifests files, optimizing application deployment and management in containerized environments.
- Established and managed Vagrant boxes to facilitate consistent development environments across teams, improving efficiency and collaboration.
- Designed and implemented Skaffold files to automate the development workflow, accelerating the build, test, and deployment processes.
- Orchestrated the creation and maintenance of Azure CI/CD pipelines, enabling continuous integration and delivery of software updates with minimal downtime.
- Conducted informative DevOps sessions for non-DevOps engineers, fostering a culture of collaboration and knowledge-sharing across departments.

- **BanqueMisr: May 2018 – February 2021**
  - Position: Software Developer.
  - Responsibilities:
    - Analyze project requirements and translate them into actionable functionality and non-functionality tasks.
    - Develop both backend and frontend components using a variety of programming technologies, including ASP.NET, Java Spring Boot, and Node.js with Express.
    - Conduct comprehensive testing throughout the development process to ensure the reliability and quality of the software.
    - Maintain and update existing systems to meet evolving business needs and industry standards.
    - Design and implement structured databases to efficiently store and manage project data.
    - Deploy software applications across various environments, ensuring seamless integration and optimal performance.
    - Provide ongoing support to end-users, addressing any issues or concerns in a timely manner.

- **E-Marketing Egypt: February 2018 – May 2018.**
  - Position: Junior Android and back-end developer.
  - Responsibilities:
    - Development of dynamic websites with PHP, ensuring seamless integration of backend functionalities with frontend interfaces.
    - Utilized Node.js to architect scalable and efficient backend systems, catering to the specific requirements of each project.
    - Engineered mobile applications for the Android platform, employing Java to build robust components that prioritize user experience and functionality.

- **Al-Attal for Iron and Steel: March 2016 – February 2018.**
  - Position: PHP Developer.
  - Responsibilities:
    - Independently designed, developed, and implemented a comprehensive HR management system encompassing salary management, employee leaves

tracking, loan management, attendance tracking, deduction management, annual increase, incentives, etc.
- Took full ownership of the project from conception to deployment, demonstrating strong initiative and self-reliance.
- Conducted thorough analysis of HR processes and requirements to ensure the system effectively addressed the needs of the organization.

Technical skills:

- **DevOps:**
  - CI/CD : Jenkins, Azure DevOps
  - Build Tools : Maven, Nuget
  - Container Management Tool : Kubernetes, OpenShift
  - Source Code Management : Git
  - IaC Tools : Ansible, Terraform
  - Containerization Tool : Docker
  - Artifact Management Tool : Azure Artifacts, JFrog, Sonatype Nexus
  - Operating System : Windows, Linux
  - Web Servers : Windows IIS
  - Cloud Platform : Azure Cloud
  - Monitoring : Prometheus and Grafana
  - Logging : ELK Stack (Elasticsearch, Logstash & Kibana)
  - Local Environment : Vagrant, Skaffold

- **Database:** MS SQLServer, Postgres, MySQL
- **Back-end web development**: ASP.NET MVC and Core, Java Spring, Node.JS, PHP
- **Mobile development:** Android development using Java.

Soft skills:

- Multitasking
- Fast learner
- Problem solving
- Hard worker
- Communication skills
- Leadership skills
- Teamwork skills

Languages:

- Arabic: Mother Tongue.
- English: Professional.

Personal information:

- Date of birth: July 9, 1994.
- Marital status: Married.
- Military status: Exempted.
- Current location: Egypt.