

NASR ALDIN MOHAMED

DEVOPS ENGINEER

Abu Dhabi, UAE | +971509519300 | ns@nasraldin.com | github.com/nasraldin

SUMMARY

Experienced DevOps Engineer with over 12 years in software engineering, transitioning from development to building and optimizing scalable, secure, and high-performing infrastructure. Extensive experience across diverse environments, from large consultancy firms to dynamic start-ups. Skilled in cloud-native solutions, CI/CD automation, infrastructure as code (IaC), containerization, and system reliability. Proven ability to lead cross-functional teams, streamline deployment workflows, and enhance system performance and security.

Proficient in cloud platforms (AWS, Azure, GCP), Kubernetes, Docker, Terraform, Ansible, CI/CD pipelines (GitLab CI/CD, GitHub Actions, Jenkins), observability tools, and scripting with Python, Bash, and PowerShell. Combines a deep understanding of software development with DevOps best practices to drive efficiency and innovation in modern software delivery.

EDUCATION

B.Sc. Information Systems			GPA
Madina Academy	2010 – 2013	Cairo, Egypt	3.1/4.0

EXPERIENCE

Abu Dhabi Housing Authority | DevOps Engineer | Abu Dhabi, UAE 06-2024 – Present

As a DevOps Engineer, I leverage my extensive software development background to optimize infrastructure, automate deployments, and enhance system reliability. I have successfully led the migration of REST APIs while implementing strategies to ensure high availability, scalability, and resilience of services. By implementing CI/CD pipelines, infrastructure as code (IaC), and monitoring solutions, I streamlined processes for improved service availability, enhanced deployment efficiency, and ensured operational excellence.

Infrastructure & Service Reliability:

- Maintained operations and ensured high availability (99.9% uptime) for ADHA services.
- Monitored system performance, troubleshoot issues, and optimized infrastructure for scalability.
- Implemented security best practices, including vulnerability scanning and penetration testing, to enhance security.

Automation & CI/CD Pipelines:

- Automated repetitive tasks using Python, Bash, and PowerShell, improving operational efficiency.
- Developed and maintained CI/CD pipelines using GitLab CI/CD to ensure fast, reliable deployments.
- Integrated SonarQube for static code analysis, enhancing code quality.

Containerization & Cloud Technologies:

- Implemented Docker to boost developer productivity by 30% and improve server consolidation by 20%.
- Designed and optimized containerized applications using Docker and Kubernetes.
- Collaborated with cross-functional teams to implement new cloud-based services.
- Incident Management & Process Optimization:
- Utilized ServiceDesk for incident and change management, streamlining processes for improved service availability.
- Identified risks early and developed contingency plans for potential failures.
- Documented processes, procedures, and configurations for knowledge sharing and system maintenance.

Skills: Teamwork · Service Availability · Service Delivery · Project Delivery · Microservices Architecture · Camunda · Docker · AKS · CI/CD · Gitlab · Terraform · APIM.

TAMM – DGE | Technical Lead | Abu Dhabi, UAE

May 2023 – May 2024

The TAMM application is a one-stop platform providing direct access to all services the Abu Dhabi Government provides. Abu Dhabi citizens, residents, businesses and visitors can apply for services online, interact with their customer service and track the status of the application.

As a Software Technical Lead, I excel in Team Management, Service Delivery, and Service Availability. Proficient in Time Management, I ensure project efficiency and adherence to timelines. Leveraging ServiceNow for incident management, I streamline processes for improved service availability and translating business needs into high-quality software solutions.

- Delegating tasks and achieving daily, weekly, and monthly goals.
- Delegating work and assignments to team members.
- Collaborating with teams to identify and fix technical problems.
- Maintaining 24 hours operations and ensuring 99.9% uptime for all Tamm services.
- Determining project requirements and developing work schedules for the team.
- Identifying risks and forming contingency plans as soon as possible.
- Keeping up to date with industry trends and developments.
- Used my extensive experience with software development to define the structure and components for the project, making sure they are reusable.
- Implemented Dockers to enhance developer productivity by 30% and server consolidation and Management by 20%.
- Collaborate with cross-functional teams to design and implement new services and enhance the current services, resulting in a 99% uptime.
- Monitor system performance, troubleshoot issues.
- Collaborate with development teams to ensure code quality by implementing code review processes and static code analysis tools like SonarQube.
- Automate repetitive tasks using scripting languages like Python, Bash, and PowerShell to enhance operational efficiency.
- Implement security best practices, including vulnerability scanning and penetration testing, to ensure the security of infrastructure and applications.
- Document processes, procedures, and configurations to facilitate knowledge sharing and maintain system documentation.

Capgemini | Senior Software Engineer Team Lead | Abu Dhabi, UAE**Mar 2021 – Apr 2023**

Led a team of engineers in designing and developing enterprise-grade applications. Defined the architecture and reusable components for a large-scale platform, ensuring maintainability and scalability. Spearheaded the migration of REST APIs, enhancing system efficiency. Worked closely with stakeholders to translate business requirements into high-quality software solutions.

- Led API integration efforts across multiple teams.
- Ensured best practices in code quality, system design, and security.
- Mentored junior engineers and conducted code reviews to maintain high development standards.

Skills: Team Leadership · Teamwork · Project Planning · Project Delivery · Service Delivery · Service Availability · Node.js · Express.js · TypeScript · JavaScript

Al-Futtaim | Senior Software Consultant | Dubai, UAE**Apr 2021 – Feb 2022**

Designed and developed cloud-based applications, working on full-stack development using Node.js, Express.js, and React.js. Contributed to the architecture and performance optimization of scalable systems. Played a key role in modernizing legacy applications by refactoring and migrating services to Azure cloud.

- Built and optimized RESTful APIs for high-performance applications.
- Integrated Azure DevOps for streamlined development workflows.
- Collaborated with business analysts to align software capabilities with business needs.

Skills: Project Delivery · Time Management · Azure DevOps · Azure Cosmos DB · Azure Functions · Node.js · Express.js · React.js · TypeScript · JavaScript

IBM | Senior Full Stack Engineer | Abu Dhabi, UAE**Dec 2019 – Mar 2021**

Designed and implemented enterprise applications with a focus on microservices architecture. Developed high-performance Node.js and React.js applications while optimizing service communication using Apollo GraphQL. Led initiatives to enhance system performance and security, reducing response times and improving data integrity.

- Developed and optimized React-based front-end applications.
- Implemented scalable REST and GraphQL APIs with efficient data fetching.
- Applied Camunda BPM to automate business workflows.

Skills: Teamwork · Service Availability · Service Delivery · Project Delivery · Organization Skills · Microservices Architecture · Node.js · Express.js · TypeScript · React.js · Camunda BPM · MySQL · Apollo GraphQL

Elm Company | Senior Software Engineer | Riyadh, Saudi Arabia**Oct 2018 – Nov 2019**

Spearheaded the development of a government enterprise application, breaking down complex systems into reusable microservices. Enhanced service layers, request queues, and database models to handle high-load scenarios. Designed and implemented CI/CD pipelines, improving deployment efficiency and reducing downtime.

- Optimized RabbitMQ message queues for reliable event-driven processing.
- Built and maintained Angular-based front-end interfaces.
- Designed and maintained .NET Core microservices for scalable backend architecture.

Skills: Teamwork · Software Development · Camunda BPM · .NET Core · Angular · RabbitMQ · TypeScript

THIQAH Business Services | Senior Software Engineer | Riyadh, Saudi Arabia Jan 2018 – Nov 2018

Developed and implemented web applications that facilitated secure interactions between suppliers, investors, and legal authorities. Designed a customized business process modeler, implementing authentication, role-based access control, and encryption for data security.

- Developed ASP.NET MVC applications with secure API integrations.
- Ensured data encryption and compliance with security policies.
- Provided UX feedback to designers, improving usability and performance.

Skills: Software Development · Teamwork · Project Delivery · .NET Framework · JavaScript · ASP.NET MVC

FAL Media | Full Stack Engineer | Riyadh, Saudi Arabia

Nov 2016 – Dec 2017

Led the development of front-end and back-end solutions to improve user experience and search engine rankings. Designed and deployed a custom Content Management System (CMS), integrating external services for improved automation.

- Engineered scalable ASP.NET MVC applications.
- Collaborated closely with clients to tailor solutions to their needs.
- Optimized websites for SEO and performance improvements.

Skills: ASP.NET MVC · JavaScript · jQuery · HTML5 · CSS3 · .NET Framework · Project Delivery · Project Management · Windows Server

INNOVAIT | Full Stack Engineer | Dammam, Saudi Arabia

Sep 2014 – Oct 2016

Built and maintained business-driven software solutions, ensuring long-term maintainability and performance. Assisted with customer support and troubleshooting to enhance client satisfaction.

- Developed .NET applications for enterprise clients.
- Provided software maintenance and debugging support.
- Assisted in database design and query optimization.

Skills: Dot NET Framework · ASP.NET MVC · JavaScript · Project Planning · Project Management · Microsoft SQL Server

LANGUAGES

- **Arabic:** Native
- **English:** Professional working proficiency

CERTIFICATIONS

- **MCT:** Microsoft Certified Trainer
- **MCSD:** Microsoft Certified Solutions Developer
- **MCPS:** Microsoft Certified Professional
- IBM Enterprise Full Stack Developer
- IBM Cloud Kubernetes Service

SOFT SKILLS

- Management
- Problem solving
- Communication
- Leadership

TECHNICAL SKILLS

- Git
- Gitlab
- GitHub
- Docker
- CI/CD
- Terraform
- Helm
- Kubernetes
- YAML
- Bash
- Python
- Node.js
- ES6
- Typescript
- JavaScript
- Express.js
- React.js
- Next.js
- HTML5
- CSS3
- Software Design Patterns
- Microservices
- Camunda BPM
- Restful based services
- MySQL
- Redis
- Jest
- C#