

ARIF HOSSEN

Senior Software Engineer | DevOps Engineer

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CAREER SUMMARY

A seasoned software engineer with over 14 years of experience, including 3 years in DevOps, combining a strong background in software development and infrastructure automation. Specialized in architecting and managing cloud-based infrastructures, building CI/CD pipelines, and deploying scalable solutions using AWS, Terraform, Docker, and Kubernetes. Proven ability to bridge the gap between development and operations teams, ensuring smooth deployment cycles and high-quality product delivery. Expertise in automating workflows, optimizing system performance, and implementing security best practices. Passionate about driving continuous improvement and innovation in software engineering and operations processes to enhance efficiency, scalability, and reliability.

KEY SKILLS

- Cloud Platforms: AWS (EC2, S3, Lambda, CloudFormation, IAM, VPC, ECS, EKS)
- Infrastructure Automation and IaC: Terraform, AWS CloudFormation, Ansible
- CI/CD Tools: Jenkins, GitHub Actions, AWS CodePipeline
- Containerization: Docker, Kubernetes, AWS ECR & EKS
- Version Control: Git, GitHub
- Monitoring and Logging: AWS CloudWatch & Cloud Trail, Prometheus, Grafana
- Operating Systems: Linux (Ubuntu, CentOS), Windows, MacOS
- Scripting and Programming: Bash, Python, YAML, JSON
- Database: MySQL, PostgreSQL, MongoDB, DynamoDB
- Web Server, Web Proxy & Load Balancers: Nginx, Apache, AWS ALB
- Configuration Management: Ansible
- Mobile Development: Swift, SwiftUI

EXPERIENCE

Senior Software Engineer - Team Lead

Graaho Technologies

February 2019 - Present

- Software Development and Design: Architected and developed scalable, maintainable software solutions using best practices in coding, testing, and engineering principles.
- Technical Leadership: Provided technical guidance and mentorship, leading code reviews to ensure code quality, performance, and scalability.
- CI/CD Pipeline Management: Developed and maintained CI/CD pipelines with Jenkins, GitHub Actions, and AWS CodePipeline, implementing automated testing, deployment, and monitoring.
- Infrastructure as Code (IaC): Designed, implemented, and managed scalable infrastructure using Terraform and AWS CloudFormation, automating provisioning and configuration.

ABOUT ME

- Senior Software Engineer at Graaho Technologies with 14+ years of experience.
- Specializing in DevOps, Backend Development, and Mobile App Development.

CERTIFICATION

- AWS Certified Solutions Architect - Associate
- AWS Certified Cloud Practitioner
- Titanium Certified Developer (TCD)

EDUCATION

M. Sc in Computer Science and Engineering

United International University (UIU), Bangladesh

July 2010 - May 2011 CGPA : 3.67

B.Sc in Computer Science and Engineering

International Islamic University Chittagong (IIUC)

March 2004 - Feb 2008 CGPA : 3.45

ACHIEVEMENTS

- Certified as a Training of Trainer (TOT) for the Information Technology Engineer Examination (ITEE) by the Bangladesh Computer Council and JICA. - 2018
- Developed a Typing Software using Java, which was published by the Daily Prothom-alo Newspaper on June 29, 2007

PUBLICATION

- MSCSE Thesis: Hybridization of Two-Stage Multilayer Neural Networks Based Bangla ASR Incorporating Dynamic Parameters. Findings published and presented at the Eleventh International Conference on Hybrid Systems (ICHS), Malacca, Malaysia, 2011.

- Cloud Architecture and Management: Designed and managed secure, scalable, and cost-effective cloud architectures, optimizing resource usage.
 - Monitoring and Logging: Set up and managed monitoring tools like AWS CloudWatch and Prometheus, implementing logging and alerting solutions for system reliability.
 - Security and Compliance: Implemented security best practices and ensured compliance with industry standards and regulations.
 - Automation and Scripting: Developed automation scripts using Python and Bash to improve efficiency and reduce manual intervention.
 - Project Management: Scoped and planned projects, managing the software development lifecycle from requirements gathering to deployment.
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- KhaoDao Food Delivery App: Designed and developed a comprehensive food delivery platform, including apps for customers, kitchen staff, riders, and admins.
 - Customer App: Created a seamless ordering experience with integrated QR code functionality for quick order placement, and incorporated Google Maps for accurate delivery location tracking.
 - Payment Gateway Integration: Integrated bKash, SSLCommerz, ShurjoPay, and Stripe for secure payment processing.
 - Google SDK & Facebook SDK: Integrated Google SDK for user authentication and Facebook SDK for social login and event tracking.
 - Kitchen App: Developed an app to streamline order management and food preparation for kitchen staff.
 - Rider App: Built a real-time task management app for riders to efficiently track and deliver orders.
 - Admin Dashboard: Developed a feature-rich admin panel for real-time order tracking, performance analytics, and customer engagement.
 - Backend API Development: Built scalable Python Lambda APIs for order processing, integrating with various third-party services like payment gateways and SDKs.
 - Mobile App Development: Developed iOS apps using Swift and SwiftUI, applying MVVM and MVC design patterns for clean, maintainable code.

Senior Software Engineer

Banglafire Solutions Ltd

📅 2016, July - 2019, January

- Design and development of multiple mobile applications for both iOS and Android platforms, ensuring adherence to best practices and high-quality standards.
- Designed and developed server-side systems and RESTful APIs, facilitating seamless integration with mobile apps.
- Managed MySQL database development, optimizing performance and scalability.
- Lead development efforts for various high-profile projects
- Japanese Client Apps: Developed iOS and Android apps for beacon technology, forklift tracking, and logging systems.
- Charity Donation App (GIVEGOGET): Developed iOS and Android apps enabling users to make charitable donations, enhancing user engagement and donation transparency
- Key Projects: Excess To Needs - Charity App, BMD Weather App, BBS App (Bangladesh Bureau of Statistics), Beaconcontrol, BeaconLogger

app, Code Generation Tool,

Sr. Software Engineer,

Kalypso Ltd

📅 2013, November – 2016, June

- Web and Mobile app Develop
- Integrate Google Map, QR Code
- Key projects: Tecsa Foundation Android App, Tecsa Collection Android App, Tecsa Fashion Android App (QR Code Scan Product Purchase), SD Card Data Backup Android App, Tech Cycle Bar Code Scan Android App, Hotel Reservation Android App
- Language and Tools: Android Studio, Java, Titanium, Cakephp, MYSQL

Sr. Software Engineer

Grameen Solutions Ltd

📅 2012, November – 2013, October

- Web Application Develop and Team Lead
- Requirement Analysis and Database Design
- Interaction with clients
- Key Projects: Hospital Management System for CMH Hospital
- Technology used PHP, Cakephp, Mysql, css, ajax, jQuery.

Sr. Software Engineer

Japan Bangladesh IT(JABA IT)

📅 2011, November – 2012, October

- University Survey Management system implementation by CakePHP, Mysql, Bootstrap, CSS, HTML, jQuery

Software Engineer

Epsilon Consulting and Development Service - ECDS

📅 2009, August – October 2011

- E-commerce application developed by Joomla, ZenCart, European institute website maintain and develop, key technology, Cakephp, Mysql, CSS, HTML, jQuery. Payment : Paypal,

Web Application Developer

United Group International - UGIBD

📅 2008, March – 2009 August

- Database design and development Web application,
- Auction Management Software Develop by Cakephp, Mysql, html, css, jQuery.