

NOWSHAD IBNE AMIN

Experienced Software Engineer & System Administrator (DevOps)

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ABOUT ME



A Young, Energetic & Dedicated professional with Hands-on experiences of leading all stages of Enterprise System Development efforts, including Requirements Analysis, Design, Architecture, Development and System Administration. I am an experienced Software Engineer with DevOps Experience and also Agile Practitioner.



CONTACT

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SKILLS

Java, Python, php, perl

JavaScript, HTML5, CSS

AWS Ec2, VPC, RDS, Elasticache, S3, Route 53, IAM

WordPress, Magento

Oracle, MySQL, MsSql, SQL Server 2008 (Sql, PL-SQL), MongoDB

Ansible, Puppet, Docker, Jenkins

Telecom VAS (SMSC, IVRR, USSD)

GitHub, TortoiseSVN, Visual Source Safe

Agile (Scrum) Practice



EDUCATION

MBA (Management Information System) 2011-13
University of Dhaka

B.Sc in Computer Science & Engineering 2006-09
Military Institute of Science & Technology, BUP



CERTIFICATION

Certified Scrum Master 2015
Scrum Alliances



EMPLOYMENT

CURRENT POSITION

Senior DevOps Engineer From 2014
[NewsCred](#), USA
Working from NewsCred Dhaka Office

Responsibility:

- Managed heterogeneous AWS environment consisting of varied technologies including Solr, Celery, Varnish, Python, Node.js, Angular.js, Backbone.js, MySQL and MongoDB.
- Used Fabric (Boto), Puppet and Ansible for Configuration Management and Continuous Deployment over 300 ec2 instances of AWS
- Migrated Existing EC2 Classic Instances & Data Center into tightly controlled VPC to implement high level security
- Implemented LDAP and Kerberos setup
- Implemented Jenkins as CI Tool
- System Monitoring (Nagios, Sensu, StackDriver, Pingdom)
- Building the infrastructure for product development, including development processes, source control, build, test automation, performance evaluation, configuration, backups/restore, and release.
- Serve as the first line of defense against instability due to any of the following: hardware failures, software failures, security breaches, change in capacity, modification of code and configuration.

PREVIOUS POSITIONS

Software Engineering Analyst 2010 - 2014
[Accenture](#), Bangladesh

Responsibility:

- Designing/ Developing high performance middleware/enabling Telecom VAS solutions
- Integration between upstream network nodes (Channel Integration: SMSC, UMB, CRM and other channels) and downstream network nodes (End Node: IN, BSCS, HLR ect).
- Business logic validation and provisioning of VAS like EDGE, FNF, CALLBLOCK, MCA, ROAMING and many more.
- End to End delivery following SDLC
- Level 3 analyst for solving problem tickets for different services of Grameenphone Platform: Quarter Node Oracle-Exalogic and Oracle-Exadata Combination
- Technology: Java, Concurrent Programming, Thread, Perl, .sh, .bat, awk, Oracle, PL/SQL

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PORTFOLIO

10MinuteSchool

10Minute School (Online Platform for Learning)
• Development, of 10MinuteSchool Web Application (Ongoing)
Technology: J2EE, MAVen, Spring, Hibernate, Mysql, log4j

Swapnanagar Bidyaniketon

Website of Swapnanagar Bidyaniketon
URL: <http://www.swapnagar.org>
Technology: WordPress (CMS), Php, JavaScript, Mysql

Bangladesh Bureau of Statistics

WebSite Development of Bangladesh Bureau of Statistics
URL: www.bbs.gov.bd
Technology Used: HTML, CSS, C#, ASP.NET, Oracle 10g

Inventory Management of Bangladesh Army

Inventory Management System of Bangladesh Army
Technology Used: HTML, CSS, C#, ASP.NET, SQL Server 2008

Chaarulata

Online Clothing Store
URL: <http://www.chaarulata.com>
Technology: WordPress (CMS), Php, JavaScript, Mysql

REMARKABLE PROJECTS

VPC MIGRATION OF NEWSURED STACKS

Bolstered security by migrating existing classic ec2 instances into tightly controlled VPC. Provided architectural insight into new and existing product stacks. Trained junior colleagues.
Core Responsibilities

- Migrated Existing EC2 Classic Instances & Data Center into VPC
- Implemented Jenkins as Continuous Integration Tools
- Managed Continuous Deployment using Ansible & puppet

Platform: AWS

Technology: Python, Boto, Shell Script, Fabric, AWS WebService, MongoDB

SAP (SERVICE ACTIVATION PLATFORM) MIGRATION

This is a long term multistage project. SAP (Service Activation Platform) is the middleware of GP (Grameenphone Ltd.) for hand shaking with downstream network nodes and upstream subscriber oriented systems. SAP also encompasses many prime VAS (Value Added Services) of Grameenphone Ltd. like EDGE (Internet), FnF (Friends & Family), MCA (Missed Call Alert), Call Block, SIM, International Roaming and others. SAP is a collection of loosely coupled systems with high availability which are distributed in nature and constantly serving millions of request for over 700 services. In the first phase, the system went through significant architectural change to couple up with the growing subscriber base and the increasing revenue from VAS (Value Added Services). It was a very complex reengineering where along with internal application and systems up gradation, 10+ Network-VAS node integration and 40+ sub-systems were integrated. Moreover, it is the first rollout in Bangladesh of an ExaLogic & Exadata combination. I have actively worked as Software ENGINEERING Analyst in this migration project

Platform : Quarter Node Oracle-Exalogic and Oracle-Exadata Combination

Technology : Java, Concurrent Programming, Thread, Perl, .sh, .bat, awk, Oracle, PL/SQL

VAS SERVICE DEVELOPMENT OF GRAMEENPHONE

Developed several VAS services like Edge, International Roaming Service, Friends & Family (Special Number for reduced CallRate), Callblock, SIM Activation, EElectronic Recharge System and various Telecom Campaigns
Technology : Java, Concurrent Programming, Thread, Perl, .sh, .bat, awk, Oracle, PL/SQL