

ABDUL HFUDA

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EDUCATION

Bachelor of Science,
Major in Computer Science
University of Calgary

2007-2012

Major GPA: 3.92/4.0

TECHNICAL SKILLS

Languages

Python	NodeJS + Javascript	C#/.NET	HTML/CSS
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Tools

AWS	Azure	Ansible	Terraform
ASP.NET/ASP.NET Core	Visual Studio Code	Resharper	Sublime
Postgres	MSSQL	Oracle	JSON/XML
Angular	Bootstrap	Kendo	DevExpress
Django/South	Dapper	Entity Framework	NHibernate
CloudFormation	Azure DevOps	TeamCity	GIT/TFS/SVN
ServiceNOW	JIRA	TargetProcess	Confluence

Operating Systems

Windows	Linux	Mac OS X
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Servers

Nginx	IIS	Apache
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EXPERIENCE

Xeno Design Net Inc. Principal

Mar 2020 – Present

- Independent Contractor, Incorporated.

Lumen Technologies Automation Architect

Feb 2023 – Mar 2024

- Agile Methodology, Daily Scrum (later MWF), Story Board, BiWeekly Sprints, Sprint Reviews.
- Deployed, Operated, and Maintained DEV|TEST|PROD Environments for “Forward Networks” a Commercial Software Solution within Clients RedHat Openshift Kubernetes InHouse Infrastructure.
- Deployed 3-Node Enterprise Postgres Database Cluster using Patroni and Consul with 3-Node Primary Cluster and 3-Node Secondary Fallback Cluster.
- Designed and Implemented Automation Workflows using Ansible, including Reports Generation, Emailing, MSteam Notifying, Backing Up and Restoring Data etc.
- Integrated Data from Systems of Record/Sources of Truth into “Forward Networks” Application using REST API and custom python code.
- Integrated with Enterprise Authentication including 2FA using OAuth.
- Signed HTTPS Certificates for DEV|TEST|PROD environments using in-house CertificateAuthority.
- Assisted with IBM Watson Deployment Troubleshooting and Functionality Testing.
- Strong Technical Bench Strength, Happy to work with and assist teammates and adjacent teams with troubleshooting, analyzing, and working towards a technical goal.

Nialli. DevOps Architect

Sept 2022 – July 2023

- Oversaw a reimplementaion of the entire Set of DevOps pipelines and approach to Building, Versioning, Testing and Deploying the in-house developed SaaS and Desktop Software Solution.
- Containerized Applications as Docker Applications and deployed to Azure App Service. Kubernetes was specifically avoided as this team was new to Docker yet and the complexity behind Kubernetes was not warranted at this time for this team at this time.

TC Energy Senior Application Developer

Mar 2020 – Jan 2023

- Member of the “Rapid Improvement Squad” (RIS) within TC Energy that increases efficiencies for various teams by implementing automation workflows across various technologies and domains.
- RIS was such a resounding success, it was turned into the “Network Maturity Project” (NMP) with a broader focus on overall Network Maturity for the Organization. Collaboration with multidisciplinary team to create useful automations with a focus on robust, maintainable and scalable solutions.
- Implemented in-house custom developed Network Services Toolbox (NST), an application written to provide a single user interface for a wide spectrum of automation workflows.
- NST Integrates with Solarwinds Orion, ServiceNow, Infoblox DNS, Cisco ACS, and Ansible AWX.
- NST application Infrastructure is deployed using Cloudformation in AWS (RDS DB, Redis Message Bus, ECS Service, ELB etc). CI Pipelines fetch the latest git commit in order to build and publish the newest Docker image for NST AWS Elastic Container Registry (ECR). CD Pipelines pickup at this point to fetch and deploy the ECR image to AWS Elastic Container Service (ECS).
- Developed data Ingestion from NST REST API into Enterprise Serverless DataLake Framework (SDLF).
- Configured Single Sign On (SSO) with PingFed at first then Okta for multiple applications.
- Deployed Automation Hub (Ansible AWX) instances, with distinct DEV, TEST, PROD environments.
- Developed Ansible Playbooks including Cisco Diagnostics, Distribution and Activation for Firmware Upgrades. 1000+ Devices have their firmware versions maintained by these playbooks.
- Created custom Ansible Modules when no out-of-the-box Module was available such as Cisco ACS.

Nureva Senior DevOps Engineer

Oct 2019 – Mar 2020

- Member of the DevOps Team within Nureva that facilitated common infrastructure and conventions/best practices for build/deployment/telemetry/testing for other Product Dev Teams.
- Implemented Telemetry Library and ISMS Audit functionality within SAAS Collaboration Software.
- Created Monitoring, Dashboards, Alerts to provide operational visibility into SAAS products.
- Terraform deployment of Microservices Architecture software suite into the Azure Cloud.
- Collaboration with various teams to dockerize their respective projects, and polish build/release pipeline definitions.
- Enabled Integration Tests along with Unit Tests within the DevOps Build Pipeline using Terraform.

Scalar a CDW Company DevOps Specialist

Feb 2019 – Oct 2019

- Joined the newly formed DevOps Team within a larger Managed Services department at Scalar.
- Contributed to onboarding existing and new clients to ScienceLogic, a new single monitoring solution (ScienceLogic) to replace a variety of Zabbix servers and proxies.
- Ansible Automation to streamline initial deployment and maintenance of monitoring hooks, agents, snmp settings, ssh settings etc.
- Created workflow automations for the NetOps Team to help them focus their time and effort on ways to Scale their networking managed services offering.
- ServiceNOW Integrations with various tools and systems including AWS Lambda micro-webservices acting as backend endpoints for ServiceNOW’s custom applications.

- PCI Compliant ISO 27001 Certified MSSN (Managed Services Secure Network) Production environment with rigorous Change Management and Request for Change process.
- Clients include the Toronto Stock Exchange, Universities, Hospitals, Banks, and Oil and Gas.
- DevOps responsibilities include Ansible Automation, Infrastructure Provisioning, Scalability, backups, monitoring et al functionality within Scalar.
- Lead the design and development of in-house tools such as HR Audit reports for account enabling/disabling of former employees across various user silos that were not leveraging SSO.
- AWS Lambda functions to execute checks and integrate with Slack/Email to notify relevant teams.

Cenozon DevOps Software Engineer

Sep 2017 – Feb 2019

- Member of Development Team, part of daily scrum, sprint planning and execution.
- DevOps responsibilities include build processes, deployment processes, and backup/restore for a portfolio of applications, maintaining and optimizing various aspects of IT Infrastructure.
- Iterative development of Pipeline Risk Management solution using C# ASP.NET MVC, Javascript React and KendoUI with a bespoke Oracle Schema.
- Implemented and Maintained Integration process of public AER Data, paid data sources such as ABADATA, IHS, GDM load process into cache schema, main schema, and geodatabase schema.
- Servers at Q9 for Database (Postgres, Oracle and SQL Server) and Application Environments.
- AWS services used include SES Emails, S3 Offsite Backups, Route53 for DNS, RDS for Databases.
- GIS Backend Administration for ArcGIS Enterprise Geodatabase, ArcGIS Server and ArcGIS Portal.
- Mobile Inspection Application for a collection of various equipment types (Pigs, Valves, Signs, Crossing etc) and collection of inspections on the equipment.
- Administered Windows Server, IIS, Active Directory, w/ Office365 Sync, Sharepoint, Slack, JIRA
- Monitored Infrastructure including CPU, Memory, HDD, Network etc usage using Zabbix
- Assisted in maintaining in-house time tracking and billing system customized for the business and client's needs.

EnergyIQ Senior Software Developer

Feb 2014 – Feb 2016

- Persisted Data into industry standard PPDM Schema using both Oracle and MSSQL.
- Designed an Enterprise Data Loader used by Major Oil and Gas Corporations, written in C# ASP.NET MVC, Using Redis as a Pub/Sub mechanism and Job Queue.
- Designed front end solutions to business problems using KendoUI Javascript front end and jQuery widgets to act as an interface for front end controls.
- Implemented configurable application pages that can be customized per client and deployment. Extensive use of reflection namespace in C# .NET Framework
- Debugged issues across solution stack including front end, backend, middleware, configuration files, and various database considerations.
- Maintained team infrastructure, continuous build configuration and team resources.
- Managed development projects using agile methodologies, including release/sprint planning, stand up meetings and retrospectives.

EnergyIQ Software Developer

Feb 2013 – Feb 2014

- Developed a unified well editor that brings together various pages and features throughout the system in a streamlined AJAX interface.
- Implemented OData Web Service for well and well location data manipulation.
- Optimized Result View Query implementation and execution to handle retrieval of large data sets.
- Contributed to software development processes including new and maintenance releases.

- Conducted a thorough review of existing software systems, evaluated scope for improvement, and accordingly updated the senior members of the team.
- Involved in the planning, designing, and implementation of OData ASP.NET WebAPI Web Service and well and well location data manipulation.

Symantec.cloud Intern Software Quality Assurance Engineer

May 2011 – April 2012

- Member of “Software as a Service” (SaaS) Quality Assurance team
- Tested newly developed software components, confirming compliance with company requirements and identifying issues through an in-house bug tracking tool
- Contributed to the design and implementation of the Automation Regression Test Suite
- Internationalized and assisted in Localizing application for EMEA release.

Alberta Health Services Information Analyst

May 2009 – Aug 2010

- Responsible for testing of a variety of outpatient systems, including EMIS, ACSCM, and Clinibase.
- Aided in the design and implementation of Regression Testing Suite for the ACSCM project
- Worked on integrating the Pharmacist Prescription (Netcare) system with EMIS medical system

ADDITIONAL SKILLS

- Team Work, Communication, Goal-Oriented, Agile Methodology
- Solution Planning, Software Structure Designing, Project Management
- Client Requirements Gathering and Definition, Software Development Lifecycle
- Project Scheduling, Product Development, Testing, and Implementation
- Software Testing, Code Debugging, Error Detection, and Mitigation
- IT Systems Monitoring, Technology Integration, Process Enhancement
- Cross-functional Coordination, Collaborative Working, Client Relations
- Leadership, Analytical Thinking, Problem Solving, Decision Making
- Language: fluent in English written and verbal, Arabic verbal.