

NITIN AKASH

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SUMMARY

- ◆ Experienced Cloud architect and developer with a proven track record in building data-driven solutions using AWS resources.
- ◆ Over 7 years of experience demonstrating cross-functional knowledge across various technical and functional domains.
- ◆ Proven ability to manage multiple projects and lead small engineering teams.

TECHNICAL SKILLS

- ◆ **Cloud Services:** AWS (Lambda, S3, Elasticsearch, DynamoDB, ECS, ECR, EC2, API Gateway, CloudFormation, CloudFront, Route53, CloudWatch, AWS Image Builder, IAM, Secret Manager)
- ◆ **Infrastructure & Configuration Management:** CloudFormation, Terraform, Ansible
- ◆ **CICD & Version Management:** GitHub Actions, AWS CodeBuild, CodePipeline, SonarQube, Code Commit, GitHub, Gitea
- ◆ **Databases:**
 - Relational Database: Postgres, MySQL, MongoDB,
 - NoSQL Database: Elasticsearch, MongoDB, DynamoDB (AWS)
 - Caching DB: Redis
- ◆ API: REST, HTTP2, GraphQL(Basics)
- ◆ **Programming Languages & Frameworks:** Python 3, JavaScript, Typescript, ReactJS
- ◆ **Observability:** Prometheus, Grafana, Alertmanager, Loki, AWS CloudWatch, CloudTrail
- ◆ **Networking:** VPC Peering, Private Links, Security Groups
- ◆ **Artificial Intelligence (DevOps):** Sagemaker
- ◆ **Project Management:** Agile, Scrum, Jira, Confluence, Trello
- ◆ **UX:** Figma
- ◆ **User Management for Authentication and Authorization:** Cognito

WORK EXPERIENCE

Fullstack Developer/DevOps at Innovasea, Halifax

Dec'21-Present

Project: DevOps

- ◆ Created High Availability MultiAZ Elastic Kubernetes Services (EKS) infrastructure using Terraform to run the applications.
- ◆ Created observability stack in AWS Elastic Kubernetes Service (EKS) using Prometheus and CloudWatch as the data source, AlertManager to create alerting rule and Grafana as the front end to get real-time statistics about the system.
- ◆ Helped in the migration of data from MongoDB to AWS Document DB using AWS Data Management system (DMS).

- ◆ Helped in creating the infrastructure using Terraform such that the team can manage the infrastructure of the
- ◆ application and link the shared resources with the applications.
- ◆ Helped in managing networking by creating vpc peering, private links, and security groups.
- ◆ Created account-level service using AWS Lambda, S3 and AWS config to monitor unused roles in the AWS account.
- ◆ Managing users for internal applications like Grafana and Jenkins using AWS Identity Center.
- ◆ Working on CI/CD pipeline using GitHub, Sonarqube, AWS code artifact and Jenkins to deploy web applications in Elastic Kubernetes Service (EKS) and manage C++ libraries in AWS code artifact.

Project: Tagless

- ◆ Developed REST API of the application using Golang.
- ◆ Developed User Interface for the device and admin page using ReactJS.
- ◆ Created AMI for the project using AWS Image Builder, Ansible playbook and terraform, which can be deployed to AWS or remote servers.

Software Engineer Manager at Perennia Food and Agriculture Nov'19-Dec'21

Project: Cost of production

- ◆ Worked with AWS research and development (USA) to build the architecture of the cost of the production project.
- ◆ Lead the project and managed a team of 5 engineers to complete the development of the project.
- ◆ Created cross-account CI/CD pipeline to deploy the stack in test and production accounts.
- ◆ Project: Monitoring App
- ◆ Helped in the development of the Maryblyt model to predict the disease in apples.
- ◆ Created the architecture of the monitoring app using serverless components like S3, Lambda, DynamoDB, and API gateway to keep the cost low.

Project: CRM and Transition Cow Monitoring app

- ◆ Lead the team to do an initial assessment of the project.
- ◆ Created the development plan for the CRM application.

AWS Consultant at Netflix Software Consulting, Halifax Jan'21-Current

Project: Poteto Planter Application

- ◆ Performed initial analysis of the current monolithic application.
- ◆ Created a strategy to move the data into the cloud without modifying the current application.

Junior Research Engineer at Metamaterial Technology, Halifax Sep'18-Apr'19

- ◆ Built Athena package in Python for analysis of multidimensional spectrum.
- ◆ Developed algorithm for Gaussian fit for spectral data to predict spectral bandwidth and spectral band center.

Research Assistant at Atlantic Lottery Corporation, Halifax **Nov '17 -May'18**

- ◆ Performed analysis to do retailer segmentation using machine learning algorithm k-means in Python.

Senior Business Analyst at Tata Consultancy Services, India **Jun '15 - Mar '17**

- ◆ Performed operations like data profiling, data cleansing, and data verification using SQL and VBA to understand mortgage data.

Business Analyst at Ocwen Financial Solution, India **May '14 - May '15**

- ◆ Created data transformation workflow in Oracle database to generate reports on a daily, weekly, and monthly basis.

Contract Assignee at CMC Limited, India **Aug '13 - Mar '14**

- ◆ Developed forms and reports in the Oracle D2K platform for Old Age Pension and New Pension Scheme modules.

EDUCATION

Master of Science, Computing & Data Analytics, Sep 2018
Saint Mary's University, Canada, GPA 4.10