**Interview Client Company details:**

**Interview Time:** Wednesday, February 23 at 11:15am - 12pm (EST)

**Company Name:** Indigo Consulting

**Company Website URL**: https://www.indigoconsulting.ca/

**Address**:

**Note**: Please have a look at the company website to know more about the company

**Candidate Details:**

**Full name (first/last):** Sandeep Somapangu

**Date of Birth (DD/MM/YY): 23/July/1993**

**Education**:  Btech in Electronics and Communication Engineering

**Work Authorization**: Permanent Resident

**Current Location:** Toronto, Ontario, Canada

**Interviewer:**

Nicolas Seigneur

Hansel Eichenberg

**Currently working Company Details:**

Investor Group Financial (DevOps Engineer)

**Name**:

**Reason for looking for new jobs:** My contract is ending soon. So I am looking for new opportunity

**Current Contract End date:** My contract is ending in a month.

**How much time you need to start:**  2 weeks from the offer letter

**Current Pay:**CAD 55 dollars per hour/Contract job

**Expected Salary**- I am looking at around $ 90000 - 1000,000 per year

**Relocation**: Yes, I am open to relocating to anywhere in Canada

**HR interview email:**

**Please find the below attachments:**

1) Job Description

## <https://www.linkedin.com/jobs/view/2904491304/?refId=GfsgzSY57NL958lZw1ZOaA%3D%3D&trackingId=Pyi40Dk%2BPT%2FFmaBFU3SLrQ%3D%3D>

## About the job

**Access your potential.**

We are Indigo Consulting –the future of Identity Access Management. We are the next-generation solution to systems bogged down by heavy, inefficient integration processes.

We exist to help clients operate without stress or difficulty, but where we truly thrive is in unlocking the learning potential of every team member who helps us succeed. We are unified in our belief that work is meant to be fun. From happy-hour drinks to golf tournaments, to personalized Slack channels, to poker nights and online gaming, our excellence in serving customers is rivaled only by the quality of our caring, collaborative work culture. We believe in a flexible organizational structure that allows everyone’s voice to be heard.

We believe in providing our clients with nothing short of perfection. And, most importantly, we believe that every employee is special and brings something unique to the table that is worth celebrating every day. We want to empower our team members so that even if they move on, they’ll understand what they’re capable of. We are proud to have forged this tight-knit team, and we are inviting you along for the ride.

When you love what you do, you don’t count the minutes to the end of a client’s call. We are energized by challenges knowing that our team of superheroes can overcome any obstacle because we have each other’s backs. That's not family – it’s friendship.

**What You’ll Get By Joining Our Team**

* You will always feel supported.
* You get a platform for all your bold ideas.
* You can fast-track your personal development.

**Perks and Benefits**

* Exposure to diverse projects for massive Canadian companies (banking, health, and education).
* Training and professional development plans.
* Lunch & learns.
* Work-life balance and flexible scheduling.
* Virtual happy hours.
* Year-round team-building activities.
* A friendly atmosphere with a tight-knit team.
* Extremely strong C-Suite with technical backgrounds, great for growing engineers.
* Super accessible leadership that is invested in your success.
* Slack channels for interest and hobby on the team.
* Winter off-sites in a cozy, remote Quebec chalet.

**What You’ll Do:**

Initially working from our Montreal, Canada office with our product team and executives to develop the foundational components to our evolving cloud platform. This role will assist in designing, implementing, and supporting our cloud platform on AWS catering to our managed client deployments. The engineer will be involved in cloud infrastructure hardening, firewall configuration, network configuration, continuous monitoring, and availability. The qualified applicant will also play an important role in the Platform Engineering team that is building a cloud engineering and enablement practice.

**Typical responsibilities will include:**

* Contribute to the architecting and implementation of cloud-based Identity solutions based on ForgeRock, OMADA, Gluu, and other IAM platforms.
* Deploying Identity solutions for large-scale cloud environments using container and micro-service technologies.
* Engineer solutions that leverage cloud-native tools and frameworks.
* Design and implement end-to-end CI/CD Delivery pipelines for infrastructure and IAM services.
* Design, build, test, and deploy highly scalable and resilient cloud-based infrastructure.
* Write infrastructure automation scripts and templates, and integrate with DevOps tooling.
* Write test automation scripts such as integration, capacity and performance, and unit tests.
* Implement and improve logging and monitoring solutions.
* Set up and troubleshoot AWS environments.
* Travel occasionally within Canada for business.

**Requirements:**

* Degree in Engineering, Computer Science, or equivalent.
* 3+ years experience in a combination of security, risk management, and technology responsibilities.
* Deep understanding of cloud infrastructure and how to secure it: IAM, Networks, Cloud Security Tools, Functions, and others.
* Proficient in AWS CLI, Azure CLI, Bash, Python, Terraform, and DevOps tooling (GIT, Atlassian products).
* Experience with AWS Core Services: EC2, ECS, ELB/ALB/NLB, S3, EBS, CloudWatch, Lambda, IAM.
* Experience in setting up and troubleshooting AWS production environments.
* Experience in designing, building, testing, and deploying highly scalable and resilient cloud-based infrastructure.
* Experience designing and implementing end-to-end CI/CD pipelines.
* Programming Languages: Python, Groovy, Java, Node JS, GO - Highly proficient in at least 1.
* Configuration management using Terraform, Packer, Docker, docker-compose.
* Practical knowledge of test automation frameworks such as Robot Framework, Selenium, JUnit, Mocha.
* Code management and versioning using Git.
* Advanced hands-on skills operating in Linux and Windows.
* Proven knowledge of application architecture, networking, security, reliability, and scalability concepts.
* Technical Expertise: Advanced knowledge of software design principles and patterns; Successful delivery of long duration and high complexity software projects.
* Design: Expertise with Microservices architecture, Domain-Driven Design concepts, Cloud Application Design patterns and frameworks (e.g. service discovery, circuit breaker, and 12-factor apps).
* SDLC: Expertise with Agile development methodologies; scrum leadership a plus; Lead code reviews.
* Containers: Expertise with Container and Container Management frameworks with an emphasis on Kubernetes and Container-based PaaS offerings.
* Knowledge of Elastic products: ElasticSearch, Kibana, beats, watchers, etc.
* Demonstrated knowledge and skills in the following competencies: Creativity, technical analysis, problem-solving, communication, multitasking, and client service.
* Must be self-motivated and driven.
* Strong ability to work with in-house resources and vendors.
* Comfortable with code reviews.

We have the opportunity to work alongside some of the most influential companies in Identity Access Management including ForgeRock – an accredited delivery partner with one of the most intelligent access management platforms on the market. The best part? We can help customers deploy it and start to be more secure online today.

Indigo Consulting values the diversity and inclusion of the people it hires and serves. We believe in fostering a workplace in which individual differences are recognized, appreciated, respected, and responded to in ways that fully develop and utilize each person’s talents and strengths.

**RESUME**

**AWS/DevOps Engineer**

**Professional Summary:**

* **AWS** and **DevOps** Engineer with over **6+** years of Strong experience in **Linux Administration, Configuration Management, Continuous Integration, Continuous Deployment, Release Management, Cloud Implementation and DevOps Engineering**.
* Supported .net applications and web services by deploying and troubleshooting in Production and Pre - production environment
* Experience working with **Redhat, Ubuntu, centos** and Windows server.
* Extensively worked on AWS Cloud platform and its services **EC2, VPC, EBS, EKS, AMI, RDS, AWS Cognito, Cloud Watch, Cloud Formation, Lambda, Auto scaling, Cloud Front, IAM and S3**.
* Created and maintained scalable and secure infrastructure using **EC2 with Elastic load balancing and Auto scaling groups in AWS cloud.**
* Used **JIRA** to keep track of all the ongoing tasks and maintain bug resolutions.
* Understanding of Project Life Cycle Management and strong experience on working of **AGILE** Methodologies.
* Created **IAM** policies for the group level privileges to EC2 instances and **S3** buckets.
* Configured VPCs within the subnet groups and CIDR ranges. Configured inbound and outbound security groups for EC2 instances.
* Good knowledge on **OpenStack** Compute and networking services.
* Experience working with virtualization techniques like **VMWare** **VSphere** and **Hyper-V**.
* Very good hands-on experience in using **GIT** and subversion as a version control tool. Worked on branches, Trunk and tags.
* Expertise in Enterprise repository management tools like **Nexus, Artifactory** etc.
* Hands on experience on **Jenkins, Docker,** for setting up of continuous integration and continuous deployments.
* Used **Kubernetes** to manage containerized applications using its nodes, Config Maps, selector, Services and deployed application containers as Pod.
* Understanding of service-oriented architecture (**REST APIs, micro-services**, etc.) and developed code to make API calls.
* Good knowledge and experience in using **Elasticsearch, Kibana and fluentd, CloudWatch, Nagios, Splunk, Prometheus and Grafana** for logging and monitoring.
* Hands-on experience to build the AWS infrastructure resources using the **Terraform** and **Ansible** automation tools and **AWS CLI**, **CloudFormation** templates.
* Experience working with composer, putty, **git** shell and writing shell script.
* Has experience in developing and delivering content on the web using **JAVA**/**J2EE**.
* Has experience in **Oracle** and **MySQL** Database servers DB tasks.
* Experience in **Python** Scripting in various projects for automating tasks.
* Expertise in designing automation scripts in **Selenium** with BDD framework using **Cucumber**.
* Extensive experience using MAVEN, Gradle and ANT as a Build Tools for the building of deployable artifacts (war & ear) from source code.
* Build servers using AWS including importing volumes, launching EC2, creating security groups, auto-scaling, load balancers in the defined virtual private connection
* Excellent communicative, interpersonal, intuitive and leadership skills with ability to work efficiently in both independent and teamwork environments.

**Education:**

**National Institute of Technology, Agartala, India**

Bachelors in Electronics and Communication Engineering, June 2014

**Resident Status:** Permanent Resident.

**Technical Skills:**

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| --- | --- |
| **AWS Cloud Tools** | EC2, ECS, ELB, Route 53, IAM, S3, AMI, Cloud Front, RDS, Lambda, AWS Cognito, VPC, Cloud Watch, Lambda, Glacier, SQS, EFS, Dynamo DB |
| **Programming/Scripting Languages** | C, C++, Bash, Shell Scripting, Python, SQL, HTML, CSS JavaScript, YAML, Ruby, Json, PowerShell |
| **CI/CD Automation** | Jenkins, Anthill Pro, Spinnaker, Chef, Puppet |
| **Application Stack** | Java EE, Micro services, NodeJS, AngularJS |
| **Version Control Tools** | Subversion (SVN), GIT, CVS |
| **Monitoring Tools** | Cloud Watch, Elastic search, Kibana, Logstash, Grafana |
| **Web/ Application Server** | Apache Tomcat, WebLogic, WebSphere, JBOSS |
| **Containerization Tools** | Docker, ECS, EKS, Kubernetes |
| **Database** | Oracle, MySQL, MongoDB, SQL Server |
| **Build/Package Tools** | Maven, Ant, Gradle, Npm, Liquibase, Bower, Grunt |
| **Virtualization/Infrastructure** | VMware, Virtual Box, and Docker, CentOS, RHEL, Ubuntu. |
| **Network Protocols** | TCP/IP, SSH, Telnet, TLS/SSL, DHCP, DNS, HTTP, FTP, TFTP, LDAP, NIS, NIS+ |

**Professional Experience**

**Investors Group Financial, Toronto, ON. Nov 2020 – Present**

**DevOps (AWS) Engineer**

**Roles and Responsibilities:**

* Continuous and automated deployment of public and private facing web pages in **AWS** infrastructure.
* Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven, Python and Bash.
* Collaborating with various teams in gathering requirements and suggesting infrastructure solutions based on necessity and financial constraints.
* Configuring and managing various AWS services like **EC2, VPC, S3, Glacier, Cloud Watch, CloudFront, Route53, SNS, and IAM** etc.
* Used **Cloud Watch** for monitoring AWS cloud resources and the applications that deployed on AWS by creating new alarm, enable notification service.
* Set up and maintained Logging and Monitoring subsystems using tools like; **Elasticsearch, Fluentd, Kibana, Prometheus, Grafana and Alert manager**.
* Experience in scripting for automation and monitoring using Shell and Python scripts
* Assigning roles and policies to users, Security groups using **IAM**.
* Implementing **ELBs and Auto scaling groups** for EC2 instances for providing high availability and fault tolerance.
* Implemented a **'server less'** architecture using **API Gateway, Lambda, and Dynamo DB** and deployed **AWS Lambda code** from Amazon S3 buckets. Created a Lambda Deployment function, and configured it to receive events from your S3 bucket
* Using EC2 instances as servers to host and manage the services **GIT, Jenkins and Ansible** which made slow processes into dynamic API procedures.
* Understanding of service-oriented architecture (**REST APIs, micro-services**, etc.) and developed code to make API calls.
* Designed the project workflows/pipelines using Jenkins as CI tool and wrote Python Scripts and BASH Script to automate the build process.
* Created scripts in **Python**which integrated with **Amazon API** to control instance operations.
* Implemented an Infrastructure as code strategy to environment builds using **Terraform and CloudFormation**.
* Managed local deployments in **Kubernetes**, creating local cluster and deploying application containers.
* Configuring and managing **AWS Simple Notification Service**(SNS) and **Simple Queue Service (SQS).**
* Develop workflows for **Cognito** across all Environments and secure them.
* Strong Scripting skills in **Bash, PowerShell, Perl, YAML, Json, Ruby**and**Python** scripts to automate the deployments and for environmental changes.
* Experience in cloud automation using template based service of **CloudFormation**.
* Experience in working with Jenkins to build and manage integration and deployment pipelines.
* Involved in troubleshooting issues with **CI/CD pipelines**.
* Working on creation of Docker containers for work isolation and managing the application life cycles for development teams

**Environment:** AWS, Python, EC2, S3, CloudWatch, CloudFormation, DynamoDB, Lambda, Docker, VPC, IAM, Nagios, Git, JIRA, Python, Linux, Terraform, Docker, Kubernetes, REST API, Jenkins, SQS, SNS, Maven, REST, Terraform, VPC, SMTP, LDAP, MSBUILD.

**Sunlife Financial, Toronto, ON Sep 2019 – Oct 2020**

**DevOps (AWS) Engineer**

**Roles and Responsibilities:**

* Experience in the design and implementation of Continuous Integration, Continuous Delivery, Continuous Deployment (CI/CD), DevOps tool chain and DevOps processes for agile projects
* Worked with Terraform to create stacks in AWS from the scratch and updated the terraform as per the organization’s requirement on a regular basis
* Used **Terraform** in AWS Virtual Private Cloud to automatically setup and modify settings by interfacing with control layer
* Designed and Implemented **CI (Continuous Integration) system, configuring Jenkins servers, Jenkins nodes, creating required scripts (Perl, Python)**
* Design roles and groups for users and resources using AWS Identity Access Management (**IAM**).
* Used Jenkins for continuous deployment and integration of the build and release process
* Worked on migrating legacy data-center infrastructure into AWS infrastructure using **Terraform, AWS-CLI and Cloud formation**
* Working on **Docker-Compose** and **Docker-Machine**.
* Experience with **Docker, ECS, ECR** to handle Docker deployments.
* Created and managed test environment using **Docker, Kubernetes**, initiated instances depending upon development team requirements.
* Utilized **Kubernetes** for the runtime environment of the CI/CD system to build, test and deploy.
* Configuring ‘nginx’ for proxy RESTful API calls to micro-services in Docker containers.
* Worked on implementing AWS services like **S3, IAM, VPC, Route53, ELB, EBS, Cloud Front, Glacier, Cloud Watch, SQS, SNS, Cloud Trail, RDS** and creating cloud formation scripts to provision resources
* Implemented a 'server less' architecture using **API Gateway, Lambda, and Dynamo DB and deployed AWS Lambda code from Amazon S3 buckets**. Created a Lambda Deployment function, and configured it to receive events from your S3 bucket
* Experienced in writing terraform modules for automation the Creation of VPC-VPN from data center to Prod environment and Cross account VPC Peering
* Installed and Configured the Static Scan in **Veracode** and integrate the stage Veracode in Jenkins Stage view pipeline
* Experience in managing environments **DEV, Stage, QA and UAT** for various releases and designed instance strategies
* Implemented AWS solutions using **EC2, S3, RDS, Elastic Load Balancer, Auto scaling groups.**
* Analyze and resolve conflicts related to merging of source code for Bit Bucket
* Configured and maintained Jenkins to implement the CI process and integrated the tool for .Net schedule the builds.
* Managed Dependency Management within the teams by installing and configuring Nexus Repository Manager.
* Used JIRA to track issues and Change Management for **Veracode and NexusIQ**
* Notified the developers on success/failure of a build by using **SMTP and LDAP** mailer plug-in in Jenkins

**Environment:** AWS, Python, EC2, S3, VMware, Tomcat Apache, CloudWatch, CloudFormation, DynamoDB, Docker, Kubernetes, VPC, IAM, Nagios, Git, JIRA, Linux, Data Centre Migration, Jenkins, NexusIQ, Veracode, Maven, REST, Terraform, VPC, SMTP, LDAP, MSBUILD, ASP.NET, VBScript, VB.NET, CSS, HTML, DHTML, ADO.NET.

**United Health Group, India. Aug 2015– Aug 2019**

**DevOps/AWS Engineer**

**Roles and Responsibilities:**

* Developed and implemented software release management strategies for various applications according to agile process.
* Develop cloud solutions using IaaS (Infrastructure as a Service) and PaaS (Platform as a Service) Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Jenkins along with Shell scripts to automate routine jobs.
* Experience with AWS services (**EC2, S3, RDS, EBS, VPC, IAM, Cloud formation, Auto scaling).**
* Provided enhanced security and identity access management (**IAM**) for AWS account.
* Migrate **SVN** repositories to **Git** and administrate GitHub to manage Git repositories.
* Setup and maintain a continuous integration build server using Jenkins. Implemented Backup/Disaster recovery system for entire CI system. Implemented roles and environments using chef.
* Created EC2 instances in VPC and installed applications. Expertise in Identity Access Management. Created users, groups and assigned roles based on their duties.
* Automated the Applications and **MySQL** container deployment in Docker using Python and monitoring of these containers using Nagios.
* Wrote **Ansible Playbooks** with Python SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances using Python
* Wrote the Ansible playbooks which are the entry point for Ansible provisioning, where the automation is defined through tasks using YAML format. Run Ansible Scripts to provision Dev servers.
* Installed and administered Nexus repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.
* Used **AWS lambda** to run servers without managing them and to trigger to run code by S3 and SNS.
* Designed highly available, cost effective and fault tolerant systems using multiple **EC2instances, Auto Scaling, Elastic Load Balance and AMIs and Glacier for QA and UAT environments** as well as infrastructure servers for GIT and Chef.
* Setup and build AWS infrastructure various resources, **VPC EC2, RDB, S3, IAM, EBS, Security Group, Auto Scaling, SES, SNS and RDS in Cloud Formation JSON templates**.
* Install, configure, modify, test & deploy applications on Apache Webserver, Nginx & Tomcat.
* Used python scripts to update the content in database and manipulate files.
* Creation and setup of new environments/branches such as development, testing and production. Worked closely with development team and SQA team for product releases
* Documented work done, skills required and mitigated in future projects.

**Environment:** EC2, Python, S3, RDS, EBS, VPC, IAM, Cloud formation, Auto scaling, AWS, CloudWatch, Amazon Machine Images, Maven, Salt, CentOS.