ADITYA JAIN

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EXPERIENCE

Oracle Inc, *Software Developer 2, Oracle Cloud Infrastructure Logging Data Plane Team*   **Dec 2020 - Present**

• Develop various modules for the Logging Service that provides access to logs from Oracle Cloud Infrastructure resources that include critical diagnostic information that describes how resources are performing and being accessed.

• Implemented a custom Jackson deserializer and designed various modules that reduced the latency of Audit logs by *6.27%*.

• Developed scripts to generate and reassign Kafka partitions for adding and replacing Kafka brokers.

Barclays, *Software Developer, Wholesale Lending Infrastructure Team*   **July 2020 - Dec 2020**

• Customized LoanIQ, a commercial system for servicing commercial loans, to address specific needs of Barclays Investment Bank.

• Developed and integrated an SSO module with LoanIQ to bypass the usual login screen and carry on with the custom code.

• Migrated on-premises MySQL database to Amazon EC2 using *AWS DMS, native MySQL tools (mysqldbcopy, mysqldump)*

Amazon.com, Inc, *Software Development Engineer Intern, Amazon Web Services DynamoDB*   **June 2019 - Aug 2019**

• Developed dynamic policies for DynamoDB in Java to scale splitting of partitions and allocate sufficient partitions to user tables in DynamoDB.

• Developed a Unix tool to render these policies with a 3-level fallback mechanism to handle provisioned throughput requirements in DynamoDB.

• Ensured maintenance of SDLC with prior planned design processes, continuing with appropriate development and unit testing using JUnit and Mockito, and finally following timely and smooth production deployment followed by a global release.

Nokia Networks, *Solution Engineer GET, NOKIA Software NetAct*   **July 2017 - July 2018**

• Worked on the development of Nokia's Virtualized Network Management System - *NetAct's* Fault and Performance Management pipeline using Java, Python, XML, Shell Scripting while working in an agile development environment.

• Worked as a SharePoint developer for developing web-based business applications for Services BU.

• Visualized data, automated refreshing of reports, and created real-time dashboards using Rest API based on reports in Microsoft Power BI.

Nokia Networks, *Technical Intern*   **Jan 2017 - June 2017**

• Developed and implemented an algorithm to detect Black hole/ Gray hole attacks in a Mobile Ad-hoc Network (MANET).

IBM, *Software Developer Intern, Worklight Team*   **June 2015 - July 2015**

• Worked on developing a new Road User Charging (RUC) system to be deployed for the Government of Norway.

• Developed a self-service interface to be provided to the end-users (citizens), accessible via a standard browser or Mobile App, to help automate toll collection and number plate recognition. [*HTML, CSS, JavaScript, Android SDK, IBM Worklight Plugin*]

New York University, *Graduate Teaching Assistant - Cloud Computing*   **Sept 2019 - May 2020**

• Gave lectures and demos to students on various course modules such as *Kafka, ElasticSearch,* and *various AWS Services*.

• Graded all the material associated with the class.

EDUCATION

New York University, Master of Science - Computer Science, *GPA: 3.7/ 4.0*   **Sept 2018 - May 2020**

VIT University, Vellore, Bachelor of Technology - Computer Science and Engineering   **July 2013 - May 2017**

SKILLS

Languages: Java, Python, SQL, C, C++, HTML, CSS, JavaScript, D3.js, PHP

Tools/Environments/Platforms: AWS, Shell Scripting, Kafka, Hadoop, Tableau, Spark, Git, Jira, Kubernetes, Docker, Photoshop

PROJECTS

Foot365 – a sports-bar concierge chatbot   **Spring 2019**

• Developed a serverless app that gives recommendations of bars and restaurants showing live matches, live scores, predictions for the final week of the season, fixtures, lineups, standings by integrating cloud-based services for the football community. *[AWS S3, Kafka, DynamoDB, Elastic Search, Sagemaker, Lambda, API Gateway, SQS, SNS, Cognito, Lex, Google Maps API, Yelp API, Uber API]*

Smart-Door-Authentication-System   **Fall 2019**

• Developed a live video-streaming-based door authentication distributed system that authenticates people and provides them with access to a virtual door. *[AWS Kinesis Video Streams, Rekognition, DynamoDB, SNS, Lambda]*

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

• 5th Pillar VIT Chapter, ***Design Head (Board Member)***   **Feb 2014 - May 2016**

• INVICTUS'15 (An International Management & Business Summit), ***Sponsorship Coordinator***   **Dec 2014 - March 2015**