ADITYA JAIN

1942 Westlake Ave #3104, Seattle, WA • (917) 864-7779 • aj2529@nyu.edu • github.com/adityajain10

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.
• Own the streaming agent component of the Logging Service that ships logs from the customer instances to the logging ingestion service.
• Implemented a custom Jackson deserializer and designed various modules that reduced the latency of Audit logs by *6.27%*.
• Made various internal logging services, running in substrate and overlay, *Realm* and *Region agnostic* for new realms and regions.
• Developed scripts to generate and reassign Kafka partitions for adding and replacing Kafka brokers.
• Implemented changes in various logging agents/ services to run on Virtual Machines with different architectures (amd x86-64, arm aarch64).
• Built various Grafana dashboards, using emitted metrics, to track and analyze the health and performance of various internal services and implemented a library to automate dashboard change deployment to all regions/ realms.

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 a planned design, development and testing, creation of production level tables, and global prod deployment.

Nokia Networks, *Software Engineer GET, NOKIA Software NetAct*   **July 2017 - July 2018**
• Developed and implemented Nokia's Virtualized Network Management System - NetAct's Fault and Performance Management pipeline using Java, Python, Shell Scripting while working in an agile development environment.
• Created real-time dashboards, automated reports refreshing, using Rest API, Python scripts, Power BI, to analyze the pipelines in real-time.
• Developed various web-based business applications for the Services Business Unit using SharePoint, C#.

Nokia Networks, *Software Engineer 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**
• Developed various modules of a new Road User Charging (RUC) system, in Java, to be deployed for the Government of Norway.
• Designed a self-service interface in the app, using JavaScript, Worklight plugin, to help automate toll collection and number plate recognition.

New York University, *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*.
• Reinforced lessons presented by the professor by reviewing material with students one-on-one or in small groups.

EDUCATION

New York University, Master of Science – Computer Science, *GPA: 3.704/ 4*   **Sept 2018 - May 2020**
VIT University, Vellore, Bachelor of Technology – Computer Science and Engineering   **July 2013 - May 2017**

SKILLS

Languages: Java, Python, SQL, C++, HTML, CSS, JavaScript, D3.js, PHP
Tools/Environments/Platforms: AWS, Shell Scripting, Kafka, Hadoop, Spark, Kubernetes, Docker Git, Jira,

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 season's final week, 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]*

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

• J.J. School of Education Underprivileged Literacy Program, *Sponsorship Lead*   **July 2017 - Present**
• 5th Pillar VIT Chapter, ***Design Head (Board Member)***   **Feb 2014 - May 2016**