

ADITYA JAIN

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EXPERIENCE

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

- Charted and spearheaded Oracle's Logging Service product strategy, emphasizing the seamless integration of logs from diverse resources, aligning with the overall company vision, and adapting to market demands.
- Collaborated with cross-functional teams, including sales, marketing, and customer support to gather feedback and enhance product utility.
- Conceptualized and introduced key metrics to gauge the Logging Service's effectiveness, through Availability Metrics, Latency Monitoring and Monitoring Analysis
- Built comprehensive Grafana dashboards, leveraging emitted metrics, to track and analyze the health and performance of various microservices and implemented a library to automate dashboard change deployment to all OCI regions/ realms.
- Championed the streaming agent component, resulting in efficient and reliable log shipping, elevating customer satisfaction.
- Managed a team of 3 Engineers, promoting agile methodologies, and overseeing their growth and tracking project progress.
- Improved performance by 6.27% for Audit logs through strategic design changes and optimizations.
- Pioneered the deployment of new service infrastructure across all OCI regions, automating key operational processes.
- Facilitated the onboarding of engineers, establishing a solid foundation through detailed documentation and training.
- Authored comprehensive technical design documents, outlining the blueprint for numerous innovative projects.
- Architected infrastructure for new service bootstrapping across all OCI regions, encompassing load balancer configuration, VM provisioning, DNS setup, and automating live traffic redirection from old service endpoints to the new service by flipping the DNS.

Barclays, *Developer Analyst 4, Wholesale Lending Infrastructure Team* July 2020 - Dec 2020

- Collaborated with cross-functional teams, steering product enhancements for Barclays' internal loan management system.
- Innovated and integrated an SSO module, revolutionizing the user authentication experience.
- Boosted system efficiency by nearly 40% through advanced caching and optimizations.
- Reduced post-release issues by 26% by instituting robust testing methodologies.

Amazon Web Services, *Software Development Engineer Intern, DynamoDB Control Plane Team* June 2019 - Aug 2019

- Optimized partition management, addressing peak throttling challenges posed by partitions exceeding 3000 Logical I/O per second.
- Developed dynamic policies, in Java, to scale splitting of both single and multi hotkey partitions and allocate sufficient partitions to user tables.
- Crafted a versatile Unix tool, integrating a 3-level fallback mechanism, ensuring DynamoDB could seamlessly handle provisioned throughput requirements.

Nokia Networks, *Solutions 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.
- Envisioned and implemented real-time dashboards and reports, streamlining pipeline analysis using Rest APIs, Python scripts, Power BI.
- Developed various web-based business applications for the Services Business Unit using C#, SharePoint.

Nokia Networks, *Software Engineer Intern* Jan 2017 - June 2017

- Integrated AODV routing protocol alongside the detection algorithm to mitigate network routing issues 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 on various course modules such as *Kafka*, *ElasticSearch*, and various *AWS Services*.

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

LEADERSHIP AND COMMUNITY INVOLVEMENT

J.J. School of Education Underprivileged Literacy Program, *Sponsorship Lead*

July 2017 - Present