RATNADEEP CHOUDHURY
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PROFESSIONAL SUMMARY

Engineering leader with 20+ years driving large-scale cloud and serverless services across global teams (US/UK/India/China). Service Owner of fully managed, multi-tenant, highly scalable, on-demand OCI Functions-as-a-service platform. Skilled in cloud architecture, cost optimization, CI/CD automation, and cross-functional collaboration.

KEY SKILLS

- Cloud Tech: OCI and AWS Cloud Platform, Lambda, S3, SQS, SNS, Kafka, Zookeeper, OCI Functions, Storage, Container Registry, IAM, DNS and Traffic Management, Disaster Recovery, Events, Streaming, Queue
- DevOps (CI/CD): GIT, Jenkins, Terraform, Maven
- Database: MySQL, Cassandra, DynamoDB, Redis, ETCD
- Monitoring Tool: Datadog, Sumologic, OCI Logging and Telemetry
- Containerization: Docker, Kubernetes
- Agile/Scrum, Delivery & Incident Management
- Disaster Recovery and Security in OCI

WORK EXPERIENCE

Oracle India Private Limited – Senior Engineering Manager *AUGUST 2021–PRESENT*
OCI Functions
- Service Owner of OCI Functions – Own and scale OCI Functions platform: Manages roadmap, architecture, delivery, SLAs, margins, and profit & loss.
- Revenue-driven innovation:
  - Launched Pre-built Functions as a ready to use catalogue of common administrative tasks -> boosted YoY revenue +45%. Showcased in Oracle Cloud World conference, 2022, Las Vegas.
  - Introduced Scheduled Functions feature -> +10% QoQ growth.
  - Rolled out 3-GB function shapes for high-data workloads.
- P&L and Margins:
  - Cut infra costs by ~45% via CPU/memory optimization.
- Operational Excellence:
  - Reduced incident tickets by 60%.
  - Reduced Compute related tickets by 95% by adopting Shape Agnostic architecture.

- o Automated multi-region deployments, boosting dev efficiency by 20% (14 -> 3 days).
- o Streamlined new region bootstrap from 3 days to 2 hours.
- o Led Disaster Recovery drills, achieving RTO < 15 minutes and validating cross region failover.
- Executive Reporting:
  - o Presented monthly usage patterns, cost optimization insights and margin improvement opportunities to senior executives-facilitating data driven decisions that increased revenue by ~40% YoY

Samsung Research Institute, Bangalore – Staff Engineering Manager *FEBRUARY 2020 – AUGUST 2021*
IoT Cloud
- Responsible for end-to-end ownership of IoT Cloud solutions in Home Automation, Content Management, Security, AuthN and AuthZ of services hosted in AWS. Led Samsung Accounts team in India
- Led cost savings initiatives that delivered a $1M reduction in operating expenses

Amazon Development Centre (India) Private Limited – SDM III *FEBRUARY 2019 – JANUARY 2020*
Category Expansion
- Launched features in amazon.in platform for High Consideration Technical products – including Product Comparison and High Value Accessory attachment. Product Comparison was one of the most clicked on features during Prime Day sales.
- Responsible for end to end ownership of Category Expansion team, including setting the technical vision to service Amazon's scale.
- Represented the tech organization and regularly evangelized the impact of what we built to senior leadership

Huawei Technologies India Private Limited – Senior Project Manager *JUNE 2011 – FEBRUARY 2019*
Platform/Middleware
- Led the Platform teams responsible for feature delivery in key middleware components – Message Queue, BPM, Service Bus which in turn, integrates deeply with many Huawei solutions such as Mobile Payment and Hybrid video solutions.

Wipro Technologies – Project Manager *MAY 2002 – MAY 2011*
Avaya Call Server/PBX
- Design software solutions in SIP and SS7 protocols for Avaya's Call Server. This included design and coding of key features such as call detail recording, call forwarding, support for IP clients, call messaging.