

KRANTHI KIRAN AKKUMAHANATHI

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SUMMARY

Cloud Engineer with 4+ years of experience supporting and optimizing large-scale systems on AWS, with additional exposure to GCP. Specialized in troubleshooting distributed services, automating operations with Python and Terraform, and improving reliability for mission-critical platforms. Proven success in high-impact roles at AWS and Couchbase, with a strong focus on system uptime, observability, and customer success.

PROFESSIONAL EXPERIENCE

Couchbase, Bangalore, India: TSE - 2, NoSQL

Apr 2025 - Present

- Investigated and resolved production issues across distributed Couchbase clusters, including XDCR lag, rebalance failures, and index build bottlenecks, ensuring high availability and uptime.
- Assisted with disaster recovery planning and failover configurations in hybrid cloud environments (AWS, GCP).
- Collaborated with internal engineering teams to surface critical bugs and improve product stability based on real-world failure cases.

Groww, Bangalore, India: Product Solution Engineer - 2, F&O

Jan 2025 - Mar 2025

- Automated root-cause diagnostics and alert triage for backend trading systems using Python and SQL, reducing manual troubleshooting by 40%.
- Managed real-time technical incidents, resolving 90%+ of critical trading issues using SQL and monitoring tools.
- Optimized processes & implemented Superset dashboards, reducing anomaly detection time by 50% and enhancing system reliability.

Amazon Web Services, Remote, India: Cloud Engineer - Serverless

July 2021 - Aug 2024

- Provided expert support to over 300 top-tier AWS clients, specializing in services like Kinesis, Lambda, API Gateway (REST/HTTP), DynamoDB, Glue, Athena, and EKS, ensuring optimal performance and reliability.
- Served as POC for AWS Lambda and DDB application issues, fixing 10+ critical bugs across various services, running SQL queries on production logboxes for complex troubleshooting, preventing escalations to service teams.
- Accredited as a Quality Champion and Mentor helping 10+ junior employees, maintaining high case quality standards, and improving customer experience.
- Authored comprehensive internal and public-facing articles [1][2] and documentation significantly enhancing team knowledge and deflecting over 1,500 recurring customer issues.

INTERNSHIP

Amazon Web Services, Remote, India: Cloud Associate - Intern

March 2021 - June 2021

- Designed and implemented scalable AWS CloudFormation templates using Python, automating the creation of over 100 troubleshooting scenarios (Bottlenose tool) and improving employee training efficiency by 40%.
- Created detailed documentation and best practices guides, increasing Bottlenose project adoption by 25% across teams.

TECHNICAL SKILLS

Cloud Stack: AWS (Lambda, S3, EKS, DynamoDB, EC2, Step Functions, Glue, Athena), GCP, Kubernetes, Docker

Scripting & Automation: Python, JAVA, Golang (basic), C/C++, L/UNIX, Bash

Data: MySQL, NoSQL (DynamoDB, Couchbase), Spark, Kafka, ETL

Observability & Monitoring: Splunk, Prometheus, Datadog, PagerDuty, AWS CloudWatch, Grafana, X-Ray

Tools : AWS CI/CD, ArgoCD, REST API, Terraform, Git, Gitlab

Credly: AWS SAA, AWS GenAI, AWS Well-Architected Proficient, Couchbase CAA, Couchbase Python Dev

EDUCATION

B.Tech, Computer Science and Engineering

June 2017 - June 2021

JNTU-Kakinada

8.7 CGPA

Gayatri Vidya Parishad College of Engineering