

# SUBBARAYUDU CHAKALI

● ● Full Stack | DevSecOps | Multi-Cloud | Machine Learning

Experienced polyglot Full Stack Engineer with 5+ years of expertise in building and deploying enterprise applications across multi-cloud platforms, especially Amazon Web Services (AWS) & Google Cloud Platform (GCP). Actively practicing generative AI tools like GitHub Copilot and AWS CodeWhisperer to enhance coding efficiency. Also, a beginner in machine learning with a growing interest in applying AI-driven insights to improve application functionality and performance.

[LinkedIn](#) [GitHub](#)



## Programming Languages

- Java
- Python
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## Databases

- MySQL
- PostgreSQL
- DynamoDB
- MongoDB
- CloudSQL

## DevSecOps

Git, GitHub, Gitlab, Bitbucket, Jenkins, Bamboo, GH actions. Splunk, CloudFormation, Serverless, CDK, Datadog, Docker, Maven, Terraform, etc.

## Frameworks

- Spring boot
- Junit5
- Bootstrap
- React

## Cloud & Platforms

- Amazon Web Service (AWS)
- Google Cloud Platform
- Microsoft Azure
- Microsoft Power Platform

## Machine Learning

- Natural Language Processing
- Deep Learning
- Prompt Engineering



## Product Specialist – Technical @ Cognizant | (January 2023 – Present)

**Client:** The Coca Cola Company | (Sep 2025 – Present)

**Role:** CDK + DevOps Engineer

### Key Deliverables:

- Designed and implemented a complete DevOps lifecycle for building and deploying diverse applications on Google Cloud Platform (GCP).
- Redesigned and optimized CI/CD pipelines to support seamless migration from AWS to GCP, ensuring scalability and reliability.
- Led Jenkins migration from AWS to GCP, including infrastructure setup, shared pipeline files, configuration management, and job orchestration.
- Integrated security and quality gates by embedding SAST (Static Application Security Testing), DAST (Dynamic Application Security Testing), and multiple testing frameworks into the CI/CD pipeline.
- Prepared comprehensive AWS application inventory by analysing CDK + JavaScript code to support accurate infrastructure provisioning by the infra team

**Client:** BNY Mellon Corporation | (Mar 2025 – Sep 2025)

**Role:** Java Backend Developer

**Key Deliverables:**

- Migrated legacy DB2 stored procedures to Oracle SQL and implemented Java backend services using MyBatis for efficient query execution and database interaction.

**Client:** Liberty Mutual Insurance Company | (Jan 2023 – Feb 2025)

**Role:** Jr Software Engineer

**Key Deliverables:**

- Independently executed AWS account migration and PostgreSQL RDS migration, including infrastructure setup, data transfer, and validation, while ensuring seamless integration with custom permission boundaries and security compliance.



**Programmer Analyst @ Cognizant | (Jan 2022 – Dec 2022)**

**Client:** Liberty Mutual Insurance Company

**Key Deliverables:** New Relic to Datadog transition, Java Full Stack Engineer Accreditation program,



**Programmer Analyst Trainee @ Cognizant | (Dec 2020 – Dec 2021)**

**Client:** Liberty Mutual Insurance Company. | **Training:** Java Full Stack Engineer Training program

**Key Deliverables:** Duck Creek Claims Configuration, AWS Cloud, Agile Development, TL of FSE training batch



**Education Details**

**M TECH (AI & ML):** Birla Institute of Technology and Sciences (BITS) Pilani (WILP) – (In Progress)

**B TECH (CSE):** Vaagdevi Institute of Technology and Sciences (VITS) Proddutur with 8.23 CGPA (2016-2020)

**Intermediate (MPC):** Govt Junior College for Boys Jammalamadugu with 89% (2014-2016)

**SSC:** PR Govt High School Jammalamadugu with 8.2 CGPA (2014)

About Skills Experience **Work** Contact

#Highly Appreciated work

### AWS Account Migration

#### Key Challenges & Learnings:

- Migrating an Insurance Platform Services from one AWS account to another
- Infrastructure Recreation (IaC using CDK)
- CNAME, Fargate, Server certificate and KMS keys
- S3 data transfer (~4k objects and Total size of 5GB in production)
- Cross Account access for SQS, and Database
- Modifying build and deployment pipelines
- Database migration (Snapshotting, Secrets Sharing, Replication, and Restoration)

#Hackathon Winner

### NextGen IDP

#### Key Challenges & Learnings:

- Created layout aware document classification model for native docs
- Used Jurassic Ultra-v1 LLM model from AI21 Labs for classifying plaintext & native docs.
- PII Data Redaction
- HITL workflow integration
- Data Lake (S3 & Dynamo DB)
- Textract queries, and Adapters (Custom Queries) used for Q&A
- Chains, Prompt Templates, and document loaders used from the LangChain Framework.

### Use Cases Developed

- Fake News Classification using machine learning Naïve Bayes Algorithm
- Audit Management System (Full Stack App)
- Tweet Application (Full Stack App)
- Test data generator (csv files for machine learning tasks)
- Simple webpage using GitHub Actions, GitHub Pages, and AWS Route53 for custom domain.
- DevOps Foundation program use case (Full CI/CD workflow development using both freestyle and pipeline jobs including SonarQube)

(Hackathon 1<sup>st</sup> Runner up Idea)







### RAGen Conversational Chatbot:

- Retrieval Augmented Generation (RAG) to improve accuracy of the response
- Personalized search results and responses for the user
- Enterprise connectors to add different types of data sources (SharePoint, OneDrive, Confluence, Databases, Website, etc., )
- Generative AI model for handling fallback intents
- Natural Language Understanding (NLU) and Automatic Speech Recognition (ASR) engines
- Scalability, Version Support, continuous learning and improvement

### Certifications:

-  AWS Certified Cloud Practitioner (CLF-C01)
-  AWS Certified AI Practitioner
-  Microsoft Certified: Azure Fundamentals (AZ-900)
-  Microsoft Certified: Power Platform Fundamentals (PL-900)
-  GitHub Foundations, CoPilot & Actions Certified.


### Badges:

-  AWS Knowledge: Cloud Essentials
-  AWS Partner: Generative AI Essentials
-  Certified Gen AI Associate (Fundamentals)
-  Certified in GitHub Copilot, AWS CodeWhisperer -- AI Assisted Code Companions
-  Certified Java Prompt Developer – Prompt Engineering
-  MongoDB SI Associate


### Soft Skills:

- ✓ Won **1<sup>st</sup> prize in ASHV-2K19** conducted by MITS, Madanapalli by delivering a PowerPoint **presentation** on “**Making Recommendation Systems**” and concepts like Collaborative, Item, Product Based Filtering, Ranking etc.
- ✓ Won **1<sup>st</sup> prize in SIGMA-2k18** conducted by SREC, Kurnool by delivering a PowerPoint **presentation** on “**HUMAN IN THE LOOP (HITL)**” concept and its importance in the AI & ML systems.
- ✓ During my training, I successfully **managed a team**, ensuring **effective collaboration** and achieving project goals.,
- ✓ Through **volunteering** experiences (**NSS, NCC and Cognizant Outreach**), I’ve honed my **adaptability** skills. Whether it’s navigating new environments or interacting with diverse groups of people, I approach each situation with confidence and flexibility.
- ✓ Demonstrated strong **problem-solving** abilities by successfully resolving complex challenges, ensuring defect-free delivery.
- ✓ Despite complex infrastructure challenges I exhibited meticulous **attention to detail** while managing sensitive tasks.

About Skills Experience Work **Contact**

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- Ready to join forces with like-minded pros & make a positive impact 🙌🤓.

Subbarayudu Chakali on 27/01/2026