

SUBBARAYUDU CHAKALI

Full Stack | Polyglot | Multi-Cloud | Machine Learning

Experienced polyglot Full Stack Engineer with 3.6 years of expertise in building and deploying enterprise applications across multi-cloud platforms, especially Amazon Web Services (AWS). 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](#) [Portfolio](#)

Programming Languages

- Java
- Python
- Typescript
- Kotlin

Databases

- MySQL
- PostgreSQL
- DynamoDB
- MongoDB

DevSecOps

Git, GitHub, Gitlab, Bitbucket, Jenkins, Bamboo, GH actions, Splunk, JFrog, CloudFormation, Serverless, CDK, Datadog, SonarQube, Docker, Maven

Products & Frameworks

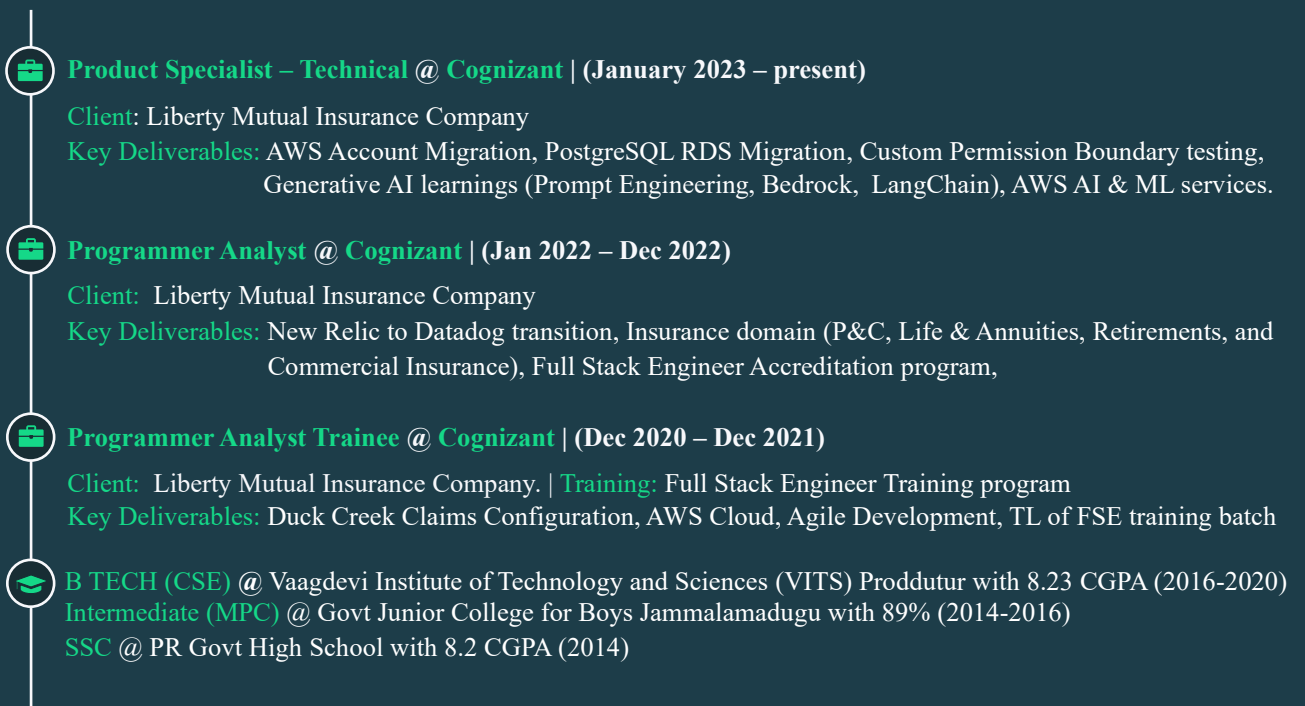
- Spring
- React
- Serverless
- Bootstrap
- Junit5

Cloud Computing & Platforms

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

Machine Learning

- Exploratory Data Analysis
- Natural Language Processing
- Prompt Engineering
- Supervised &



#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)

Certifications:

- 📜 AWS Certified Cloud Practitioner (CLF-C01)
- 📜 Microsoft Certified: Azure Fundamentals (AZ-900)
- 📜 Microsoft Certified: Power Platform Fundamentals (PL-900)
- 📜 GitHub Foundations
- 📜 AWS SCS-C02 (In Progress)

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

Soft Skills:

- ✓ Won **1st 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 **1st 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. In my current project,
- ✓ 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.

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📍 Jammalamadugu, AP

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- Ready to join forces with like-minded pros & make a positive impact 🤝🧐.

Subbarayudu Chakali on 30/06/24