Dharma Bandaru

Experience in building software solutions, managing cloud infrastructure, system administration, and system integration.
AWS - Lambda, S3, IAM, DynamoDB, Pinpoint, CloudWatch, KMS, VPC, RDS, EC2, WAF, SM, Workspaces, AppFlow, EventBridge.
DevOps - Serverless Framework, Cloud Development Kit (CDK), CloudFormation, Gitlab CI, ZSH, Docker.
Languages: Python, Java, Typescript.

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WORK EXPERIENCE

Ameren
Senior Software Engineer
08/2023 – Present,

- Gen AI, Large Language Models (LLM's).
- Backend engineer - Built our very own RAG model called Ameren's Athena AI using Anthropic Claude 3.5 Sonnet, with having kendra as our semantic search partner.
- Athena AI is serving 5 internal departments in the pilot phase and is expected to continue to grow.
- After the successful launch of Athena AI, started working on building(I focus on building API's) our own CMS called Athena AI CMS to over come the shortcoming of power automate and Sharepoint.
- Building Athena AI CMS In nextJs and Typescript.

MTX Group
Team Lead – Data & Integrations / Sr. Consultant
04/2022 – 07/2023,

- Manage and Mentor four direct reports.
- Designed and developed a threat notification mechanism to deliver email and SMS to the responsible parties.
- Cost savings of $250k/year, deployed AWS cost optimization techniques, enabled guardrails to prevent the cost overruns.
- Improved the security posture of AWS practice by Implementing best practices, starting from IAM's to SCP's.
    - A few examples include Mandatory MFA (IAM Users), Unused AWS regions lock, granular IAM permissions for roles and Users.
- Initiated security features like Guard Duty, Security Hub, Inspector, and centralized CloudTrail.
- Authored 10 internal cloud best practice documents and played a pivotal role in scaling up the AWS cloud practice.
- Business and technical meetings with AWS, clients, vendors, and stakeholders to discuss architecture, project progress, and blockers.

Integration Consultant
03/2021 – 04/2022

- Building and Deploying REST-API's. (Language: Python)
- Salesforce - AWS Integrations and Deployments.

Amazon
Software Development Engineering Intern
05/2020 - 08/2020   Madison, WI

- Worked on "Automated Merchandising Assortments" project which automates the process of adding styles to categories at shopbop.com and eastdane.com.
- The project saves around 7-9 hours/week for the merchandising department.
- Accomplished the project using Java, Maven, and Spring Framework. Verified code with unit tests using Junit and Mockito.

New Mexico State University
Java Developer & Teaching Assistant
01/2019 - 12/2020   Las Cruces,NM

- Worked on IOT microservice in a project titled MESH (JavaDeveloper), for automation of schedule on energy devices.
- For more information: https://www.cs.nmsu.edu/mesh/
- Mentored students and enhanced their learning process. (TA).

Tamkang University
Python Developer
01/2018 – 05/2018   Taipei, Taiwan

- Developed a script to collect tweets on various topics and perform sentiment analysis to know the Atmosphere.
- The automation script runs daily, and the results captured are fed as an input to a Neural Network Model.
- Experience with python libraries Numpy, Pandas, Tweepy, Seaborn, Scikit-learn, and Matplot.

EDUCATION

MS in Computer Science
New Mexico State University.
01/2019 - 12/2020

B.Tech in Computer Science
Vel Tech Technical University, Chennai, India.
07/2014 - 06/2018.

CERTIFICATIONS

- AWS Security, Solutions Architect-Associate, Developer, and cloud Practitioner.
- Salesforce Certified Platform Developer-1.
- Salesforce Certified Administrator.
- MuleSoft Certified Developer.

AWARDS

New Mexico State University
- Scholar Dollar
    - Top Performer – Department of CS, Spring 19.

Hacker Rank
- Bronze Medal, Gold and Silver Badge

MTX Group
- Above and Beyond - Q3 2022.