Dharma Bandaru

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Austin, TX

EXPERIENCE

Ameren Corporation (NYSE:AEE) — Remote
Senior Software Engineer — *Aug 2023 – Present*

- **Ameren's Athena AI**: Built secure GenAI agents using LangGraph, LangChain, Claude 3.7 Sonnet, and Amazon Kendra for an Agentic AI solution. Now powering 5 internal departments, it improved productivity by **14%** and reduced manual effort by **avg of 16 hours/week/department**, as detailed in a published white paper, delivering measurable efficiency gains.
- **Security-First Development**: Established secure CI/CD pipelines with Jenkins, integrating SonarQube, Prisma Cloud, and WIZ for proactive vulnerability detection. Implemented prompt injection protection and output guardrails for GenAI components.
- **API & Automation Modernization**: Engineered Athena CMS APIs using Next.js and TypeScript, replacing Power Automate and SharePoint with a scalable solution. Took over and reengineered ReadyAPI test suite (v2), improving test coverage, structure, and maintainability after a team transition.

MTX Group — Frisco, TX
Team Lead – Data & Integrations / Sr. Consultant — *Mar 2021 – Jul 2023*

- **Cost Optimization**: Drove annual cost savings of over **$250,000** by consolidating security tooling, optimizing AWS resource usage, and automating operational workflows.
- **AWS Security Modernization**: Led organization-wide cloud security initiatives by implementing GuardDuty, Security Hub, Inspector, and centralized CloudTrail logging, significantly improving threat detection and compliance posture across AWS infrastructure.
- **Threat Detection & Response**: Designed and deployed a real-time threat notification system delivering alerts via secure email and SMS channels.
- **Document Best Practices**: Authored and maintained MTX's internal cloud security standards, serving as the foundation for organization-wide best practices.
- **Secure Integrations & APIs**: Developed RESTful APIs and implemented security controls across Salesforce-AWS integrations with a focus on authentication, authorization, and data privacy.
- **Team Leadership**: Managed and mentored a team of 4 engineers, providing technical guidance, performance coaching, and delivery oversight for data and integration initiatives.

Amazon — Madison, WI
Software Development Engineering Intern — *May 2020 – Aug 2020*

- **Automated Merchandising Assortments**: Built a Java/Spring-based system to automate style-to-category mapping for Shopbop and EastDane, **saving 7–9 hours of manual efforts/week** for the merchandising team.
- **Testing & Reliability**: Verified code correctness and security using comprehensive unit tests with JUnit and Mockito.

TECHNICAL SKILLS

- **Programming**: Python, Java, TypeScript, Groovy
- **Cloud Platforms**: AWS (Advanced), Azure, GCP
- **Security, TestAutomation, & DevsecOps**: WIZ, Prisma Cloud, ReadyAPI, Jenkins, GitLab CI/CD, SonarQube

EDUCATION

New Mexico State University — LasCruces, NM
Master of Science in Computer Science; GPA: 3.6 — *Jan. 2019 – Dec. 2020*

VelTech University — Chennai, India
Bachelor of Technology in Computer Science; GPA: 3.67 (9.2/10.0) — *Aug. 2014 – July. 2018*

CERTIFICATIONS AND AWARDS

- **Certifications:**: AWS Security Specialty, AWS Machine Learning Specialty, AWS Solutions Architect-Associate, AWS Developer, AWS Cloud Practitioner, Salesforce Certified Platform Developer-1, Salesforce Certified Administrator.
- **Awards:**: MTX Group: Above and Beyond - Q3 2022; NMSU: Scholar Dollar(Top Performer – Department of CS, Spring-2019)