Sujata Dev

Software Engineer

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👤 PROFILE

Full Stack with AWS Software Engineer with 5 years of experience in designing, developing, and delivering high-quality, user-centric solutions as well as a strong commitment to continuous personal and professional development. Additionally, known as a mentor, offering technical guidance and collaborating with cross-functional Agile teams.

💼 PROFESSIONAL EXPERIENCE

JPMorgan Chase & Co., *Software Engineer II*
05/2024 – present | Bengaluru, India

- Developed customizable glossary and FAQ components using AEM's HTL (Sightly), Sling Models, Content Fragments, and Experience Fragments to enable dynamic and reusable content management, as part of the newly created Knowledge Hub section.
- Made the existing ContentSyncExecutor more efficient by archiving older AEM content and maintaining a limit on the number of live articles to optimize content management.

Principal Global Services, *Senior Software Engineer*
07/2019 – 05/2024 | Pune, India

- **Roth In Loan:** Created an automated application, deployed on AWS, which replaced a manual Excel-based calculation process for tax on Roth earnings. The front end, built using Next.js, interacted with an AWS Lambda backend which handled the calculations. The Lambda communicated with an on-prem data-gathering API for data retrieval.
- **Participant Header:** Working on a new AWS Cloud API capability to provide decoupled Participant Header data from Mainframe, aligning with our Mainframe optimization strategy, saving cost and CPU. Successfully implemented the process of routing on-prem events to AWS EventBridge using a global endpoint. These events are channeled to SQS for preliminary handling, followed by Lambda processing for rule-based operations and insertion into DynamoDB.
- **DynamoDB Data Loading with Glue:** Implemented a Glue ETL Spark job for the initial data load into DynamoDB. Successfully achieved the loading of 2 million+ records within a rapid 2-minute timeframe.
- **Summary Substantiation experience:** Worked on the complete design and implementation of a new UX for Withdrawals, complying with the new Secure 2.0 Act.
- **Paperless Self Certification experience:** Created the UX in React from scratch, resulting in a 45% decrease in paperless processing time for hardship forms.
- **Key Technologies:** RESTful Web services, Java, Spring Boot, Python, Maven, TypeScript, React, Next.js, AWS CDK

Mindstix Software Labs, *Data Science Intern*
01/2018 – 06/2018 | Pune, India

- Implemented a chatbot framework, assembled on the open-source ML toolkit, Rasa.
- Expanded functionalities of a technical support and helpdesk assistant, implemented using UCMA Framework, in C#, responsible for assisting enterprise employees to resolve their queries.
- Designed and programmed a research-based customer service bot to answer product-related FAQs, using Python and Elasticsearch.

🎓 EDUCATION

Bachelor of Technology in Information Technology,
Symbiosis Institute of Technology
2015 – 2019 | Pune, India

🛠 TECHNICAL SKILLS

Programming & Scripting — *Java, Python, Perl, C, Bash* •

Web Development — *TypeScript, JavaScript, HTML, CSS* •

Databases — *MySQL, Oracle, IBM Db2, MongoDB* •

Frameworks — *REST APIs, React, Next.js, AWS CDK, Spring Boot, Spring MVC, Dust.js* • **OS** — *Linux, Windows* •

Testing — *JUnit* • **AWS Services** — *DynamoDB, Glue, SQS, EventBridge, Lambda, S3* • **Tools** — *SonarQube, Swagger (OpenAPI 3), JFrog* • **CI/CD** — *Jenkins, GitHub Actions* •

Version Control — *Git*

🏅 AWARDS AND ACCOLADES

5 × Quarterly awards, *Principal Global Services*

4 × Star of the Team awards, *Principal Global Services*

Nominated for annual Ace Performer award,
Principal Global Services

Annual Rising Star award, *Principal Global Services*

Team Excellence Award, *Principal Global Services*

📁 PROJECTS

Near Real-Time Water Quality Monitoring System - Case study on Khadakwasla Reservoir (Python, QGIS and USGS Earth Explorer Landsat 8) (2018)

BrainyDude - An adaptive assessment platform (Python, Heroku, AWS) (2019)
https://github.com/sujata-dev/BrainyDude

HappyTrips - Airline Reservation System (Perl) (2017)
https://github.com/sujata-dev/HappyTrips

Qoncepts - An examination system for educational institutions (Perl) (2017)
https://github.com/sujata-dev/Qoncepts

✏ INTERESTS

Playing the keyboard • Reading • Writing • Painting