

Sandhya Ananthan

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SKILLS

- **Languages & Frameworks:** Python 3, JavaScript, Java 8, IBM ODM, Spring Boot, Golang, Junit, C++, C.
- **Web Development:** Angular, React.js, Node.js, Next.js, HTML5, Vue.js, Typescript, Flask, Django, Tailwind CSS, FastAPI.
- **Database Management:** Oracle ERP SQL, PostgreSQL, MySQL, NoSQL (MongoDB), JDBC, SQLAlchemy
- **Cloud & Data Processing:** AWS (SES, Lambda, DynamoDB, SQS, Event Bridge, Step Functions, Aurora, S3, API, sage maker), Unix/Linux Shell Scripting, Apache Kafka, JWT.
- **Tools & Platforms:** Git, Jenkins, Bitbucket, Jira, Confluence, Google Collab, Visual Studio Code, Version Control.

EXPERIENCE

Front End Developer | Symphonie, US

May 2023 – May 2024

- Developed 20% of the main company website's front-end using Python Flask 3.0 and Bulma, resulting in a 20% improvement in customer engagement through a modern hamburger menu implementation.
- Engineered backend solutions by writing AWS DynamoDB, Aurora, and Glue queries for ETL transformations, ensuring efficient data processing and management resulting in 60% company growth recorded in Confluence.
- Implemented 100% of the email verification and password recovery solutions using AWS SES and Lambda functions in an EC2 instance and integrated with AWS SQS and Lambda for efficient message query processing.

Software Developer | Bank of America, India

June 2021 – August 2022

- Mastered technologies such as Java 8, IBM ODM, Spring Batch, and Apache Kafka. Recognized with the Handshake Award for innovation and support, contributing to generating \$200k for the project.
- Implemented and managed Oracle ERP, MySQL, and MongoDB databases. Automated and tested 20% of the codebase in Maven, improving build automation efficiency.
- Designed rule architectures and templates, leading the implementation of 10 rule systems. Supported project tasks in JIRA and streamlined CI/CD 30% of all the processes with Jenkins.
- Integrated Spring Batch and Hibernate to establish a robust JDBC connection to the backend, while developing middleware to seamlessly transition code from Java 7 to Java 8, enhancing code efficiency and maintainability.

Full Stack Development Intern | Hoopers, India

April 2020 – July 2020

- Successfully launched the main and side websites (hoopersgroup.com), focusing on 20% front-end and 60% back-end development using HTML, Bootstrap, PHP, CSS, React, and Angular.
- Enhanced user interactivity by integrating React components, reducing user response time by 30% through Realtime database functionalities with PostgreSQL and Firebase.
- Developed user-friendly interfaces in Bootstrap/CSS, addressing over 30% of user queries and ensuring a seamless browsing experience across devices.

PROJECTS

Climate Change Interactive Board | Vue.js, Oracle SQL, React.js, Node.js, Chakra UI | [Climate Change-GitHub](#)

- Developed a Climate Change dashboard in React, Vue.js, SQL, and Oracle API integration, optimizing UX with CSS, Bootstrap, and Chakra UI.

E-commerce Website | Flask, HTML5, Tailwind CSS, SQLite, Bootstrap | [E-commerce-GitHub](#)

- Developed an Ecommerce Website using Python Flask, HTML5, tailwind and normal CSS supported with bootstrap along with SQLite and SQL commands. Used Bootstrap for interactive design and high flow of website components.

Quiz Website | Node.js, Angular.js, React.js, Typescript, Apache Kafka | [Quiz Website-GitHub](#)

- Architected and developed a Quiz Website in React and Typescript and Angular, integrating Node.js APIs for content delivery, ensuring a seamless and responsive user experience.

Document Classification | Python, AWS sage maker, AWS lambda, API gateway | [Document-Class-GitHub](#)

- Implemented a sci kit learn support vector machine model and deployed onto cloud using AWS sage maker. Developed an AWS lambda service with the API gateway to trigger the sage maker service to return the model.

Workout Website | FastAPI, Next.js, SQLAlchemy, JWT | [Workout-GitHub](#)

- Architected a Full-Stack website using FastAPI and Next.JS used JWTs for authentication, supported by SQLAlchemy and Pydan.tic.

EDUCATION

Master of Science in Computer Science - University of Florida, Gainesville USA

August 2022 - May 2024

Bachelor of Technology in Computer Science - VIT, Vellore India

July 2017 - May 2021

CERTIFICATIONS

AWS Certified Solutions Architect (Associate) – Amazon Web Services

Google UX Certification - Google

Meta Full Stack (Front-End/ Back-End) Developer Professional Certificate – Meta