

Padmavati Emani

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SUMMARY

Detail-oriented and proactive software professional with a strong foundation in both front-end and back-end development, and an enthusiasm for driving impactful results for clients. Experienced in translating technical concepts for non-technical audiences, optimizing platform use, and delivering scalable solutions. Passionate about driving customer success while collaborating across cross-functional teams to enhance user experiences and optimize performance.

TECHNICAL SKILLS

Programming Languages & Database Dev: Java, JavaScript, Oracle DBMS, Python, SQL, NoSQL(Mongo), HTML, CSS, React, Splunk

Development Frameworks: Spring MVC, M.E.R.N (Mongo Express React and Node)

Collaboration and Presentation: Git, Agile, MS Teams, MS SharePoint, MS PPT, MS Excel, Jira, Slack, Smartsheet

EDUCATION

University of Maryland College Park

College Park, MD

B.S. in Computer Science

Aug 2016 – June 2020

Courses: OOP Programming Java, Data Structures, Algorithms, Web Development, Data Science, Databases, Android Development

Activities: President of the Association for Women in Computing, Member and Photographer for Alpha Phi Omega, Technica Organizer – coordinated the nation's largest hackathon for women and nonbinary individuals

EXPERIENCE & ACHIEVEMENTS

Technical Consultant

July 2023 – June 2024

Optimity Advisors

Washington, D.C.

- Implemented and deployed a claims data management solution improving access to behavioral and physical health services for over 100,000 under-served individuals across a 10-county region in North Carolina.
- Contributed to all phases of client engagements from gathering functional and technical requirements to refining project strategies and delivering final solutions including insights, results, and recommendations
- Executed SQL database development to store patient and provider information, implementing rigorous quality controls for seamless integration of external data into internal systems
- Accelerated issue resolution by creating SmartSheet dashboards and automating processes with Python scripts, streamlining operations and resolving 80% of client issues and meeting deadlines

Solutions Engineer

Sept 2022 – March 2023

8Chili

San Ramon, CA

- Transformed urgent client requests into actionable solutions, resulting in a 100% client base increase and delivering new features that immensely improved user satisfaction.
- Enhanced app performance by identifying obstacles with customers, diagnosing those issues, and implementing improvements with C# coding

Associate Software Developer

Oct 2020 – March 2022

Publicis Sapient

Arlington, VA

- Collaborated in a 10-person cross-functional team using Agile methodologies to implement a large user-facing web application for the Food and Drug Administration, employing Java with Spring MVC, JavaScript, and an Oracle database.
- Developed automated processes for database operations, including CRUD functions and business workflows, while engineering scalable schemas and utilizing Hibernate for efficient relational mapping, saving 100+ hours of manual work.
- Developed the UI with javascript, ensuring the data populates appropriately and an excellent user experience.
- Developed robust controllers, that integrated with Spring Containers, to handle user interactions and HTTP requests, orchestrating seamless data flow between the front-end views and back-end services.
- Improved application stability by writing extensive JUnit tests and automating test cases with Selenium, leading to a drop in post-release issues and freeing up 25% more time for developmental tasks.
- Participated in daily stand-ups, sprint planning, and retrospectives, ensuring continuous improvement and effective communication, using Agile tools such as JIRA to track progress.

Security and Software Intern

Flatiron Health

June 2019 – August 2019

New York, NY

- Configured Splunk alerts to monitor user activity and ensure compliance with security policies.
- Utilized Cloudtracker by Duo to write a custom script that identifies actions not taken by users or roles in AWS accounts within a specified time frame and collected that data in a SQL database for analysis.
- Leveraged boto3 to make AWS IAM API calls, extracting detailed information about user actions, including the source policy, affected resources, and user/role specifics
- Collaborated in 12 person team by participating in daily stand-ups and sprint planning, using Jira in an Agile environment

PROJECTS

Ongoing Music

Feb 2020 – June 2020

Fullstack Development

Mongo, Express, React, Node

- Collaborated with a team of 4 to create a dynamic web and mobile application with React and p5.js to create a virtual depiction of the sounds of instruments for an immersive art experience.
- Hosted this application on Firebase and used it's authentication functionalities to keep track of users on the site.

Coffee Brewing Project

June 2024 – present

Fullstack Development

React, AWS, Node, PostgreSQL

- Developing an application to track users' coffee intake and preferences while giving them education on coffee varieties and its various modes of preparation.
- Implementing a dynamic and responsive web application using React, leveraging modern JavaScript (ES6+) and React Hooks for state management and life cycle methods.
- Engineered client-side routing with React Router to create a multi-page user experience, including dashboards, user profiles, educational content sections, and home pages.
- Integrated the front-end with the REST API to enable real-time data fetching, updating, and synchronization, providing users with an interactive and seamless experience.
- Deploying the application on AWS, utilizing services such as EC2 for server hosting and RDS for managed PostgreSQL database instances.