

Mani Sreekar Palakurthy

Software Development Engineer

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EDUCATION

- Arizona State University, Tempe** Arizona, United States
Master of Computer Science; CGPA: 4/4 Aug 2022 - May 2024
Main Courses: Foundations of Algorithms, Mobile Computing, Data Mining, Applications of Blockchain, Data Processing at Scale

EXPERIENCE

Arizona State University Arizona, United States
Technology Consultant Dec 2022 - May 2024

- Revitalized a legacy JavaScript Asset Usage application by transitioning to **React** in an Agile Methodologies driven process, which led to 30% enhancement in scalability and performance.
- Revamped** the codebase by designing and implementing reusable components, thereby improving efficiency and modularity of front end.
- Engineered **scalable microservices** using **Spring Boot** for back end, enabling robust functionality for websites and laying the groundwork for seamless future integrations.
- Established **CI/CD** AWS pipelines to facilitate seamless deployments reducing downtime by 17%.
- Managed and played a key role in **system maintenance** and **code review**, reducing production issues by 36%.

Synchrony Financial Hyderabad, India
Senior Analyst Jun 2021 - May 2022

- Developed application verification dashboards using **React, Redux, and Thunk**, enhancing vendor credit card processing efficiency by 20%.
- Improved user interface design to enhance navigation and user satisfaction.
- Architected robust **Spring Boot RESTful APIs** to streamline the verification process, reducing credit card approval times by 50%. Integrated MongoDB for logging.
- Implemented comprehensive **data validation and error handling** in APIs to ensure data integrity.
- Optimized database interactions, enhancing data retrieval and storage efficiency.
- Managed certificate retrieval and keystore updates using keytool and OpenSSL, maintaining robust server communication and data security.

Synchrony Financial Hyderabad, India
Software Analytics Intern - Collections Business Intelligence Oct 2020 - May 2021

- Implemented efficient **ETL** processes using **SQL** to extract data from different sources and transform the data into useful blocks for strategy building.
- Designed strategies using **Decision Trees** to capture true name frauds, achieving a 20% reduction in such incidents for health and wellness clients, preventing nearly 50 incidents per client.
- Prevented \$400,000 in losses through **data analysis** and fraud prevention strategies.
- Identified patterns and trends to reduce customer queuing by approx 9% in different clients which enhanced customer experience.
- Pioneered the **transition** from Excel to Tableau for portfolio monitoring **automation**, enhancing decision-making speed of product managers.

SKILLS SUMMARY

- Programming:** JAVA, C, Python, SQL, SAS
- Frontend Technologies:** React, Redux, HTML5, CSS3, Bootstrap, Tailwind CSS, TypeScript, JavaScript
- Backend Technologies:** Node.js, Next.js, Express.js, Spring Boot, Maven, Hibernate ORM, Apache Tomcat, REST API
- Databases:** MySQL, PostgreSQL, Oracle, MongoDB (NoSQL)
- Tools:** GIT, Android Studio, JIRA, AWS EC2, Tableau, Eclipse, Jenkins, Docker, Visual Studio, Postman, Office 365, Excel

PROJECTS

'I-Split': A Web Application for Splitting Invoice Items (Mar 2024 - Present):

"I-Split," A web application designed that simplified the process of dividing invoice items among group members, offering a seamless experience for item selection and precise determination of each member's share of the total cost.

Technology Stack - Next.js, Tailwind CSS, PostgreSQL Database

'ProShop': eCommerce Platform Development (Nov 2023 - Mar 2024):

A eCommerce platform built focusing on a seamless shopping experience. Developed features like a full-featured shopping cart, product reviews, search, and admin management tools for products and orders. Integrated secure payment.

Technology Stack - MERN, Redux Toolkit

CERTIFICATIONS

- Secured Intermediate Coder Certificate by HackerRank [🔗](#)
- Database Programming with SQL by ORACLE ACADEMY