Mohan Raj Chandrasekar

Email:mohanrajc45@gmail.com   Contact: (+91) 9840549517
https://www.linkedin.com/in/mohanr7/   https://github.com/Mohanrajny

EDUCATION

Dhanalakshmi College of Engineering, Anna University (TN, India)   June 2014 - April 2018
Bachelor of Engineering - Computer Science and Engineering, GPA: 7.32/10

TECHNICAL SKILLS

Programming Skill	**Java,** Python, C, C++, Data Structures and Algorithms
Web Languages and Database	**JSP, JavaScript**, **React.js, Redux**, Ember.js, jQuery, HTML5, CSS, Micro-service
	Struts 2, Java Servlet, SQL, RestAPI, PostgreSQL, MySQL, Kafka.
Software Tools	AWS, Hadoop, Docker, Apache Spark, TensorFlow, PyTorch, MATLAB

WORK EXPERIENCE

ZOHO Corporation Private Limited, Chennai, India   **May 2018 - Present**

Working as a **full-stack** IT Web Application developer for Enterprise solutions using **Java, JavaScript, CSS**, **React.js, JSP, MySQL.** Spearheaded and resolved numerous customer issues in the product with the technical support team.

Member Technical Staff, Zoho Division – Zoho Desk

- **Instant Message:** Worked on Integrating Whatsapp with ZohoDesk, which help in creating tickets and efficiently managing end users. Helped on creating a standard Internal Desk Framework, which reduces the redundant code across the product, improves code readability and provided the React Components as Embedded Script is used by ZohoCRM. [**Java, React.js, Redux, Twilio API, Microservice**]

- **ZIA Anomaly Prediction:** Improved the Anomaly prediction accuracy in the incoming and outgoing tickets, implemented an algorithm to support Business Hours based prediction and Hourly based ticket analysis and use cases. Improved codebase and app performance by writing unit test cases for React Component and performing static code analysis. [**Java, React, Redux, JSP, RestAPI, SAS, Microservice**]

Member Technical Staff, Manage Engine Division – Windows Server Management

- **HotDB Sync:** Restructured the core Architecture of DB Synchronization between integrated products and introduced Module level priority and Auto-Sync data immediately instead of existing manual sync. It enabled the support for bulk and blob data synchronization. Introduced multi-threading and increased the cap in data transfer by **10,000**, based on module priority and maintain audit. It reduces data transmission load by **40%** and removes the redundant data. It is developed in Publisher – Subscriber Reusable Model in internal ADS Framework, utilized by **7** products. It has improved usability, significant response time reduction, and live synchronization to rectify the sync delay. [**Java, Data Structures and Algorithms, RestAPI, Multi-Thread]**

- **Advanced Password Policy Enforcer:** It Bolster the existing ActiveDirectory Password Policy and resolves the issue of setting weak passwords. It enhances the security of an organization by forcing the end users to strictly adhere to it. Provided a provision to customize policy by the respective organization. [**Java, jQuery, Ember.js**]

- **License Management:** Enhanced the validation API response time by **10%**, Implemented Provision to apply a complementary and bundled license from parent product that reflect on all 7 integrated child products. Fixed security vulnerability issues. [**Java, XML, RestAPI, Ember.js**]

Project Trainee

- **Two-Factor Authentication:** Revamped the existing two factor authentication and Implemented Backup Verification Codes as a secondary layer of authentication as a backup for primary authentication. Fixed security bugs and enhanced the security. [**Java**, **JSP, JavaScript, HTML, CSS, Ember.js, AES 256**]

PERSONAL PROJECTS

Covid'19 Dashboard" (Technologies: React.js, Javascript, CSS, Bootstrap, jQuery, Data Structures)   March 2020
Built an interactive Dashboard with graphs to assess the impact of Novel Coronavirus on Country specifically, using React.js and Redux Store for intricate State Management.

The Movies Inventory (Technologies: Node.js, React.js, SQL, Bootstrap, CSS)   May 2019
Developed a Movie Database Web Application from scratch to view info on popular, upcoming, now streaming and T.V shows and celebrities with the ability to rate, add to watch list and favorites.

ACADEMIC PROJECTS

Text Recognition and Face Detection Aid For Visually Impaired Person   Feb 2018
Developed an embedded device to help the visually impaired person to gather information from the surrounding. It helps in text reading, object detection, face detection, and enumerate the surrounding object. It will parse the captured image, then construe the text and objects present in it and translate it into artificial speech. It has a portable capability with a battery backup; thus, this prototype can be metamorphic into the real world through spectacles. **[Python, Raspberry pi 3, Tesseract OCR , OpenCV, TensorFlow]**