

RAJESH SATHYAKUMAR

Software Developer

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EDUCATION

- Master's in CS @ **Arizona State University** JAN 2021 - PRESENT
- Bachelor's in EEE @ **RMK Engineering College** JUNE 2011 - MAY 2015

PROFESSIONAL WORK EXPERIENCE

Software Developer @ Zoho, India AUG 2018 - DEC 2020

- **React Convergence** | Driven the development of core modules and worked with multiple engineering and management stakeholders for the jQuery to React.js convergence of the product Zoho Desk.
- **React CLI** | One of the contributors of the Zoho Desk's in-house React CLI, a client build system written in Node.js on top of Webpack build system.
- **Timezone NPM Package** | Developed a timezone NPM library for timezone handling and code splitting timezone files across the product.
- **Higher-Order Components** | Developed a common framework for Drag-and-Drop, Pan-and-Zoom using Higher-Order Components
- **Web Performance** | Worked with team on several web performance optimization such as Code Splitting, Tree Shaking, Chunk Analysis, Optimum Design Patterns, etc.
- **Internationalization** | Worked with the translation team and integration team to automate the internationalization process and developed a build system for all the words/sentences used within the product. Also, helped in developing the build system for code splitting of all i18n files.
- **Tech Sessions** | Conducted weekly sessions mainly focussed on Web Performance and sessions on GraphQL, Design Patterns, etc.

Data Analyst @ ABCO, India SEPT 2015 - AUG 2018

- **Statistical Data Analysis** | Validated the integrity of the client's healthcare data by means of web analytics using measures such as standard deviation and variance
- **Automated Opportunity Analysis** | Developed an ASP.NET web solution from scratch for the client's opportunity analysis (OA). The OA which was generated from the automated powerpoints will be presented by the advisor's team to clients
- **Technical Health Index Assessment** | Designed, developed, and deployed an ASP.NET MVC web tool to assess the client's technical health index used by BA and PM team for client data analysis and contract negotiation.
- **Salesforce Automation** | Refactored a windows service code in C# that was automated to dump the Chennai service operations data from Salesforce to our databases. This is critical in analyzing the efficiency and FTE of Chennai resources.
- **Cohort Analysis** | Developed a selenium solution in capturing client's healthcare cohort-wise data outliers. This is vital since the outliers will affect other client's data in the same cohort.

TECHNICAL SKILLS

Programming Language:

C, C++, C#, Java, Python, HTML5, JavaScript, MSSQL, MySQL

Operating Systems:

Windows, Mac, Linux

Frameworks & Libraries:

Numpy, Pandas, Tensorflow, Keras, ASP.NET, ASP.NET MVC, React.js, Node.js, Express.js, Redux, jQuery, Webpack

Deployment and Testing Tools:

Git, Firebase, Selenium, Jest

CERTIFICATIONS

Mathematics for Machine Learning | IIT Madras

Machine Learning | Andrew Ng | Coursera

Deep Learning Specialization | Coursera

Tensorflow | Advanced Techniques | Coursera

Microsoft Certified Solutions Associate (MCSA)

Mobile Web Specialist | Google Web Developers

Programming and Data Structures | TCS & IIT Madras

Business English Certified | University of Cambridge

PROJECTS

All India Hackathon Finals | PHP, MySQL

Role: Mentor and Project Planning

2017: Developed a Web-Based Drug Monitoring System for the ministry of Ayush. The idea was to eliminate selling all the unapproved Drugs in India using a web-based drug monitoring and approval system.

2018: Developed e-Healthcare web form and analytics for healthcare schemes. The Web application also enabled healthcare providers to add and update healthcare schemes.

Mathematics and Programming

Involved in Project Euler, a competitive arena that contains series of mathematical/computer programming problems. Solved more than 30 problems and at 90th percentile worldwide

CONTRIBUTION AS AN ALUMNUS

- Conducted several mock interviews, Programming Competitions for college juniors, and guided them for company placements.
- Presented to students about cutting-edge technologies such as Firebase, Static web analysis, and React.js.