# RAJESH SATHYAKUMAR

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## EDUCATION

- Master's in Computer Science, Arizona State University — Jan 2021 - Present
- Bachelor's in Electrical and Electronics Engineering, RMK Engineering College — June 2011 - May 2015

## PROFESSIONAL WORK EXPERIENCE

**Web Developer, Zoho Technologies Private Limited, *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 (Dependency Injection Pattern of React)
- **Web Performance |** Worked with team on several web performance optimization such as Code Splitting, Tree Shaking, Chunk Analysis, Optimum React 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.
- **Freshers KT |** Provided training for freshers with JS, React.js, Redux, and other libraries used with the Zoho Desk Product.

**Data Analyst, ABCO Advisory Services India Private Limited (Currently, acquired by OPTUM), *India*** — Sept 2015 - Aug 2018

- **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:** ASP.NET, ASP.NET MVC, React.js, Node.js, Express.js, Redux, jQuery, Webpack
**Deployment and Testing Tools:** Git, Firebase, Selenium, Jest
**Certifications:** Microsoft Certified Solutions Associate (MCSA): Web Applications, Mobile Web Specialist: Google Web Developers

## 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 an e-Healthcare Web Portal for the people to find and apply for the relevant healthcare schemes. The Web application also enabled healthcare providers to add and update healthcare schemes.