

DHEERAJ RAVISHANKAR

AWS Certified Cloud Practitioner and experienced Full-Stack Developer with a strong focus on React, Angular, Node, Kotlin and SQL technologies. Skilled in all phases of advanced application development, including design, implementation, testing, and maintenance. A quick learner and adaptable problem-solver, with proven critical thinking and leadership abilities that drive successful project outcomes. Equipped with a versatile and well-rounded technical skillset. Proven ability to work independently, self-managing projects efficiently, while also excelling in collaborative team environments. Demonstrates exceptional flexibility in dynamic environments, excelling in both independent and collaborative team settings to meet and exceed project goals.

EXPERIENCE

THINK POWER SOLUTIONS (Dallas, TX) – FULL STACK SOFTWARE DEVELOPER

JUNE 2020 - PRESENT

- Developed multiple Enterprise-Grade Project Management Applications critical to the operations of Electric Utility using React, leveraging advanced libraries like AG Grid and Material-UI for efficient data handling and modern design.
- Co-Managed a team of 5 members, utilizing Agile methodologies with Scrum practices in Jira to oversee development tasks and ensure timely project delivery.
- Simultaneously served as an AI Engineer, developing 2 prediction engines using Linear Regression models and automating workflows with RabbitMQ message queues.
- Architected Modern UI Components with React Hooks, React Query, and custom hooks, focusing on reusable logic and optimized rendering. Designed the UI with HTML5, Tailwind CSS, and Bootstrap, ensuring responsive layouts, excellent performance, and intuitive user experience across devices.
- Built and Delivered 100+ Reusable React Components, modularizing complex logic into reusable units and tested these components extensively using Jest and React Testing Library to ensure reliability and maintainability.
- Implemented React Context API and Redux Toolkit to manage global state efficiently, delivering a responsive and dynamic UI that enhanced the end-user experience.
- Enhanced API Management using Axios and React Concurrent Features to handle multiple API requests efficiently. Implemented dynamic, multi-level routing and navigation using React Router to create seamless SPAs with features like lazy loading, and protected routes for enhanced performance and security.
- Architected RESTful APIs with Node.js and PostgreSQL for Project Management Applications, ensuring robust and secure data handling.
- Defined PostgreSQL models in Nodejs applications using Sequelize ORM and authored 40+ migration scripts to track database changes and facilitate smooth transitions from Dev to QA and Production environments.
- Constructed SQL views and asynchronous Node.js cron jobs to enable a two-way data sync between Oracle P6 and PostgreSQL, ensuring continuous updates and data consistency across both databases.
- Streamlined Continuous Integration/Continuous Deployment (CI/CD) pipelines by integrating automated builds and deployments via Jenkins and Docker. Implemented pipelines triggered by Git Hooks to build Docker images, automate testing, linting, and deployment, reducing development turnaround time.
- Spearheaded the migration of IT infrastructure from acquired companies, ensuring seamless integration with our systems. Migrated 4 on-premises servers to AWS, using CloudFormation templates. Provisioned EC2 instances, configured S3 for secure backups, and set up CloudWatch for monitoring and alerts, ensuring scalability and seamless integration.

UNIVERSITY OF TEXAS, ARLINGTON (Arlington, TX) - GRADUATE TEACHING ASSISTANT

JANUARY 2019 - MAY 2020

- Teaching Assistant for over 4 courses including Special Topics in Software Engineering and Web Data Management, covering technologies such as JavaScript, Mobile Application Development using React Native.
- Provided technical assistance to approximately 140 students over the span of 2 years, guiding them in debugging their code and offering insights on improving programming techniques and best practices.

NETCHRONIX (Bangalore, India) - CEO AND LEAD FULL STACK DEVELOPER.

JUNE 2014 - JULY 2018

- Designed and developed efficient and maintainable web and mobile applications according to the objectives and needs of more than 120 clients all over the globe.
- Integrated app-based solutions with databases, file systems, and cloud-based systems.
- Achieved a lighthouse score of 100 on performance and SEO for more than 100 projects.
- Developed high quality business strategies and models for scaling the scope of company.

EDUCATION

MASTER OF BUSINESS ADMINISTRATION

University of the Cumberlands, Kentucky

MARCH 2023 - DECEMBER 2024

MASTER OF SCIENCE IN COMPUTER SCIENCE

University of Texas, Arlington

AUGUST 2018 - MAY 2020

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SKILLS

Frontend Skills.

ES6 JavaScript jQuery
TypeScript Tailwind CSS
React18 Next.js Chart.js
Angular19 ParticleJS
HTML5 CSS3 SCSS AJAX

Backend Skills.

ES6 Express.js Node.js
C C++ PHP Python
Kotlin (Ktor and Spring)
RESTful API

Database Skills.

PostgreSQL MySQL
SQLite

Testing Tools.

Jasmine Karma Jest

Devops.

GitHub GitLab Jenkins
Docker

Design Tools.

Photoshop Illustrator

CERTIFICATIONS

1. AWS Certified Cloud Practitioner.
2. Passed LinkedIn Assessment in HTML5, CSS3, JavaScript, ReactJS, Node.js, Angular and MongoDB
3. LinkedIn certification in JavaScript, MERN stack and MEAN stack development.

AWARDS

1. Entrepreneur of the year 2022 at Think Power Solutions for showing outstanding leadership and commitment
2. Certificate of appreciation from the Indian Institute of Science, TDC for Designing and Developing their official website.