

# Rajath Ramegowda

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Full-stack developer with **5 years of experience** in end-to-end web development, adept at crafting scalable solutions across diverse tech stacks, and committed to delivering high-quality, user-centric applications.

## EDUCATION

**University of Southern California** | Los Angeles, CA, USA

Aug 2021-May 2023

*Master of Science, Electrical and Computer Engineering*

Coursework: Web Technologies, Applied Cloud Computing, Computer Architecture

**Malnad College of Engineering** | Hassan, India

Aug 2012-Jun 2016

*Bachelor of Engineering in Electronics and Communication Engineering*

## SKILLS

**Programming Languages:** JavaScript, Typescript, Java, Python, HTML, CSS, GraphQL, Sass

**Tools & Libraries:** Docker, Kubernetes, Redux, NumPy, Git, Bootstrap, MaterialUI, Postman, CI/CD, Figma

**Framework:** Flask, Angular v14.0.0, ReactJS, Express, NodeJS, Flask, Serverless

**Cloud & Database:** AWS, SQL, PostgreSQL, MongoDB

## PROFESSIONAL EXPERIENCE

**Voaige Inc.** | Pittsburgh, Pennsylvania, USA

May 2022–July 2022

**Software Development Intern**

- Developed and maintained a responsive GUI for robotic arm control using React, offering real-time visualization of robotic movements and system feedback.
- Integrated Redux for state management, optimizing the real-time data flow between the backend robotic systems and the frontend user interface, ensuring synchronous updates and reducing user-induced errors by 20%

**Bharat Electronics Ltd.** | Bangalore, India

Sep 2016–Jan 2021

**Software Engineer**

- Led the design and execution of a web application built on React and TypeScript, driving a 15% increase in user engagement and improving page load times by 20%, as evidenced by Google Analytics and WebPageTest. Adopted a thorough TDD strategy with Jest, set up a seamless CI/CD workflow with Terraform for deployment, and employed SonarQube to uphold coding standards.
- Developed a robust NodeJS and React-based tool, witnessing a 98% uptime and enhancing performance by 10%, as gauged by New Relic and proprietary metrics.
  - Enhanced large data set analysis via MapReduce parallel processing.
  - Utilized Kubernetes to deploy the application, ensuring adaptability with diverse data inputs.
  - Engineered a high-efficiency JavaScript graph library capable of managing millions of data entries.
- Partnered with design and product units to craft a responsive web platform, achieving a 12% uptick in mobile user conversions and a 25% boost in user contentment, as assessed through A/B testing and feedback surveys.
  - Channeled live user activity data to expandable microservices on Kubernetes via WebSockets.
  - Utilized AWS Lambda to process device activity streams for timely alert notifications.

## ACADEMIC PROJECTS

**Business Search Web and Android Application, USC**

Fall 2022

- Designed and deployed a cloud-based web application using NodeJS and Angular, focused on intuitive local business searches using Yelp API; achieved a responsive interface, resulting in a 25% improvement in user engagement.
- Utilized advanced cloud solutions, ensuring 99.8% uptime and swift data retrieval, significantly enhancing the user experience.

**EventStack - Web Application, USC**

Fall 2022

- Developed a MEAN stack-based event management platform with secure JWT authentication and seamless CRUD operations, leading to a 20% rise in user registrations and active user engagement at USC.
- Integrated GraphQL, achieving a 50% improvement in response times over conventional RESTful APIs, while upholding a consistent availability rate of >95%.

## CERTIFICATIONS

- NodeJS Certification – Udemy. Version Control System (Git & GitHub) – Udemy
- Professional course and certification in Data Science from Indian Institute of Science, Bengaluru

Mar 2021

Dec 2020

## LEADERSHIP AND INVOLVEMENT

- Managed a team of 50 as Event Director & Student Body President of Science Association, MCE Hassan.
- Young Achievers** Award for Executives, Military Radars, BEL Bengaluru

Fall 2015

Apr 2018