

# ANIRUDH EMMADI

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## EXPERIENCE

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### Software Engineer Intern, Walmart Global Tech

Jun 2021 - Aug 2021

- Built internal tools for validating millions of documents across multiple databases (Big Query, Cassandra, Elasticsearch) efficiently using Java Maven and Google Cloud to ensure 100% data integrity, reducing monthly costs by over \$1000.
- Implemented data metric visualization and automated alerts using Grafana and Strati.
- Experienced working with AGILE and SCRUM methodologies.

### Software Engineer Intern - Open Source, Major League Hacking (MLH)

Jun 2020 - Aug 2020

- Contributed to the development of Docsify.js a documentation rendering tool that is being used by over 15,000 projects.
- Developed a microservice that renders Github readme files into full fledged documentation website using NodeJS, Express, MongoDB, and AWS, being used by over 100 projects.

### Software Engineer Intern, Toucan AI

May 2020 - Aug 2020

- Performed user metric data collection and analysis to generate tables for internal use with Python and MongoDB, helping increase revenue by 10%.
- Developed and managed a RESTful API, optimizing it with a run-time of under 100 milliseconds.
- Implemented visualization of user data in user and admin dashboards using React, improving user interactivity by 13%.
- Experienced working with a fast-paced startup in a rapidly changing environment.

### Software Engineer Intern, Bundil

Feb 2020 - Apr 2020

- Developed, managed and maintained back-end services like REST API, and authentication middleware, using Typescript, Angular, and MongoDB.
- Built production builds using pipelines with automated deployment to Google Cloud Platform, reducing deployment time by 20%.

### Tech Consultant, Fiverr

Jul 2016 - Jan 2020

- Managed over 50 clients around the world and consulted regarding Linux servers and cloud infrastructure solutions.
- Performed cost analysis for clients for determining the best technologies to choose.
- Developed scripts that were primarily deployed in Docker containers.

## PROJECTS

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### FastDocs (fastdocs.io)

- Architected and built a microservice that instantly serves documentation to over 100 projects and has been endorsed by Docsify: a popular open source documentation tool being used by 20,000 projects.
- Developed using NodeJS, Express, AWS, and deployed on Heroku.

### Track-IT

- Tool that allows workshop event organizers to keep track of real-time user progress throughout the workshop, allowing for better user retention and experience using React, Firebase, Typescript and Heroku.
- Leverages serverless architecture and adapts dynamically depending on the nature of the workshop.
- Being used by student organizations at UT Dallas, impacting over 20,000 students.

### CourseBook-API

- Built a REST API that serves course info and enrollment data from UT Dallas using Python, Selenium, Flask, MongoDB, and Heroku.
- Optimized code by using advanced algorithms, and smart caching to parse and serve huge data in under 300 milliseconds.

## SKILLS

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**Languages:** JavaScript, NodeJS, React, MongoDB, Python, Flask, Java, C++, Typescript, HTML5, CSS3, Markdown

**Technologies:** Git, Linux, Unix, REST API, GraphQL, Firebase, AWS, Heroku, Docker, Kubernetes

**Tools:** GitHub, Kanban Board, Postman, Trello, Jira, Command Line, Microsoft Office, Adobe Creative Cloud, Slack

**Soft:** Entrepreneurship, Mentorship, Project Management, Growth Mindset, Adaptability, Communication Skills

## HONORS AND AWARDS

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- OP: Live Hackathon First Place Winner (2019) - For developing best algorithm to match esports players and recruiters
- HackUTD Second Place Winner (2019) - Built and demoed a delivery service app in front of 500 developers
- Academic Excellence Scholarship (AES) - Given to top 10% of students who have shown immense potential

## EDUCATION

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**Bachelor of Science, Computer Science**  
The University of Texas at Dallas

Aug 2018 - May 2022