

# ANIRUDH EMMADI

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## EXPERIENCE

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### Full Stack Software Engineer, iLink Digital

Jul 2022 - Present

- Building a secure private Internet-of-Things (IOT) platform by leveraging the power of 5G using Azure Cloud, Angular Javascript, Python and AI Computer Vision models.
- Integrating 5G protocols with AT&T telecommunication networks to provide a secure intra-net for private applications running custom softwares and firmwares.

### Full Stack Software Engineer, BizCloud Experts

Jan 2022 - Jul 2022

- Architected production ready scalable cloud solutions for numerous companies leveraging Amazon Web Services (Lambda, DynamoDB, S3, RedShift, etc) utilizing the Serverless framework.
- Developed full stack software applications for clients primarily using React, NodeJS, Python, and SQL.
- Debugged and improvised existing architecture with lower latency by implementing data streaming services like Amazon Kinesis for real-time data processing, reducing overhead costs by 20%.

### 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.

### Software Engineer Intern, Toucan AI

May 2020 - Aug 2020

- Performed user metric data analysis and collection to generate KPIs using Python and MongoDB, allowing better insights into user behaviors, and increasing revenue by 10%.
- Developed and managed a RESTful API, optimizing with a runtime under 100 milliseconds.
- Implemented data visualization of user data using React and d3.js, improving the user experience of the product.

### Technical Consultant, Freelancer

Feb 2019 - Jan 2022

- Managed over 50 clients around the world and consulted regarding Linux servers and scalable infrastructure solutions.
- Analyzed expenses and optimized client product roadmaps to be more cost efficient on the cloud.
- Developed custom software applications and deployed them primarily using Python, Javascript, and Docker containers.

## PROJECTS

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### coursebook-api

- Reverse-engineered UT Dallas university backend to provide an unofficial API layer, allowing university students to build projects that impacts the student community.
- Built API using Python, Flask, Selenium (Web Scraping), MongoDB, and Heroku.
- Optimized the API to perform web scraping and response generation on-demand in under 200 milliseconds.

### plan.degree

- Degree planning solution for students to customize and view multiple optimal degree tracks, ensuring a successful and timely graduation. Supports multiple features such as: course pre-requisite validation, elective course recommendations, and a simple intuitive drag-and-drop user interface.
- Developed using JavaScript (React), Python, Flask, MongoDB, Auth0, and deployed using AWS Amplify.

### 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, by leveraging serverless architecture using React, Firebase, and Typescript.
- Being used by student organizations at UT Dallas, impacting over 10,000 students.

## HONORS & AWARDS

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**Major League Hacking Fellowship (MLH Fellow)** - Recognition for open source contributions.

**Academic Excellence Scholarship (AES)** - Tuition scholarship granted by The University of Texas at Dallas.

**OP: Live Hackathon First Place Winner (2019)** - Developed best algorithm to match esports players and recruiters.

**HackUTD Second Place Winner (2019)** - Built and demoed a delivery service app to over 500 developers.

## SKILLS

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

**Technologies:** Git, Linux, REST API, NoSQL (MongoDB, Firebase), AWS, Heroku, Docker

**Tools:** GitHub, Postman, JIRA, Command Line Interfaces, Microsoft Office, Adobe Creative Cloud, Slack

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

## EDUCATION

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**Bachelor of Science, Computer Science**

The University of Texas at Dallas

Aug 2018 - May 2022