# ANIRUDH EMMADI

emmadi.anirudh@gmail.com | (469) 403-1726 | linkedin.com/in/anirudhemmadi | github.com/aemmadi

## EXPERIENCE

**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, Python and AI Computer Vision models.
- Interacting with AT&T telecommunication networks and radio frequency (RF) systems to generate 5G connectivity.

**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.
- Experienced working with AGILE and SCRUM methodologies to deploy project to production.

**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, increasing revenue by 10%.
- Developed and managed a RESTful API, optimizing with a runtime under 100 milliseconds.
- Implemented visualization of user data in user and admin dashboards using React, improving user interactivity by 13%.

**Software Engineer Intern**, Bundil                                                                         *Feb 2020 - Apr 2020*
- Developed, and managed back-end services like REST APIs and authentication middleware, to improve security for the product using Typescript, Angular, and MongoDB.
- Built production pipelines with automated deployment to Google Cloud Platform, reducing deployment time by 20%.

## PROJECTS

**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.

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

## SKILLS

**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

## HONORS & AWARDS

**Major League Hacking Fellowship (MLH Fellow)** - Recognition for open source contributions.
**Academic Excellence Scholarship (AES)** - Tuition scholorship 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.

## EDUCATION

**Bachelor of Science**, Computer Science                                                                    *Aug 2018 - May 2022*
The University of Texas at Dallas