

# AGASTHYA YERRAPRAGADA

## FULL STACK DEVELOPER

U.S. CITIZEN

### CONTACT

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### SKILLS

HTML

CSS

Javascript

Python

React

Node.js

Express.js

MongoDB

PostgreSQL

Microsoft SQL Server

Prisma

HL7

Mirth Connect

Git

GitHub

Jest

### EDUCATION

Bachelor's Degree

University of Central Florida

### PROFILE

Motivated and self-taught web developer with a passion for creating efficient, user-friendly, and scalable web applications. Demonstrates a strong ability to learn independently and quickly adapt to new technologies, frameworks, and industry trends. Proficient in full stack development with a solid understanding of both frontend and backend technologies. Skilled at problem-solving and optimizing code for performance, with experience in implementing RESTful APIs, authentication systems, and responsive design principles.

### WORK EXPERIENCE

#### Systems Engineer Intern

Health Grid

June 2019 - August 2019

- Analyzed over 500 HL7 message structures and workflows to understand healthcare data exchange standards.
- Conducted SQL queries on large-scale hospital databases, handling datasets with up to 50,000 rows, supporting integration projects.
- Diagnosed and resolved 10+ HL7 message transmission issues, documenting troubleshooting steps.
- Created comprehensive documentation for HL7 message formats and database queries, used by a team of 6 engineers.
- Collaborated in 15 team meetings and knowledge-sharing sessions, contributing to the success of 3 major integration projects.

### PROJECTS

#### Social Media App

Built a full stack social media application using React for the frontend and Express.js for the backend, allowing user registration, login, and GitHub OAuth integration. Integrated Passport.js for secure user authentication, with GitHub OAuth accounting for 70% of user logins. Implemented CRUD operations for posts, comments, followers, following, and likes, providing a smooth and interactive user experience. Managed user data with PostgreSQL, ensuring scalability and reliability.

#### Blog API

Developed a RESTful API using PostgreSQL and Express to serve as the backend for two React applications: a client app and a client-admin app. Implemented user authentication and role-based access control for managing blog posts and admin functionality. Provided endpoints for creating, reading, updating, and deleting blog posts, serving hundreds of requests daily. Optimized database queries and API performance, reducing server response times by 35%. Successfully handled concurrent users across both client applications, ensuring smooth operations for admins and users alike.