

CHAITANYA KRISHNA

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| WORK HISTORY

TEKhops - Software Engineer

Irving, TX • 08/2022 - Current

- Worked on web development projects utilizing JavaScript, Angular 12, and HTML5, coupled with backend development in Java 11. These projects were hosted on AWS (Amazon Web Services), leveraging its robust cloud infrastructure for scalable web applications.
- Developed critical features using Java with Spring Boot to create RESTful services and implemented a GraphQL schema for enhanced frontend data access, with data stored and managed in AWS RDS (Relational Database Service) using PostgreSQL.
- Integrated streaming APIs in Java for real-time data processing, hosted on Google Cloud Platform (GCP), and used Spring WebFlux for reactive programming, ensuring efficient data flow and responsiveness.
- Contributed to microservices communication through Kafka, hosted on Microsoft Azure, enhancing system integration and scalability. Also, used ReactJS to develop dynamic UI components, connecting them to REST APIs and GraphQL endpoints managed via Azure's cloud services.
- Managed database operations using PostgreSQL, ensuring optimal data storage and retrieval. The data architecture was designed for cloud scalability and efficiency, utilizing both AWS and Azure cloud platforms for database hosting and management.

University Of Arkansas At Little Rock - Graduate Assistant

Little Rock, AR • 01/2022 - 05/2022

- Tutored 40 students in "Fundamentals of Computer Science" and "Logic in Programming," helping them enhance their understanding of logical concepts in Computer Science.
- Conducted weekly office hours for "Data Structures & Algorithms" and "Introduction to Programming," contributing to a 65% increase in students' assignment grades.
- Engaged in discussions on "Discrete Mathematics for Computing" and "Analytical Methods in Computer Science," focusing on discrete objects and algorithmic analysis.
- Graded weekly assignments for courses like "Advanced Algorithms" and "Programming Paradigms," requiring thorough tracing and evaluation of solutions.

Capgemini - Software Engineer

| EDUCATION

University of Arkansas

Little Rock, AR • 06/2023

Master of Science: Computer & Information Science-Information Quality

Vignan's Lara

Guntur • 09/2020

Bachelor of Science: Electronics And Communications Engineering

| SKILLS

- **Programming Languages:** Java (including Java 11 and Java 17), JavaScript, Python, PHP, SQL, Core Java
- **Frameworks and Libraries:** Spring Boot, Spring MVC, Spring Framework, Apache Kafka, Apache
- **Web Development:** Angular 12, HTML5, CSS (Cascading Style Sheets), React.js, Node.js, J2EE
- **Cloud Computing and Platforms:** Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure, Kubernetes
- **Database Management:** PostgreSQL (PgSQL), NoSQL
- **Software Development Practices:** Object-Oriented Programming (OOP), Agile Methodologies, Testing, Unit Testing, Microservices
- **Tools and IDEs:** IntelliJ IDEA, Visual Studio, UI Development

| PARTICIPATIONS

- **Tri-Co Hackathon:** Worked in a team of 4 to create a sustainability website for the college dining center in Python, R,

Hyderabad, India • 05/2019 - 07/2021

- Developed a Billing and Recovery System using Java and JavaScript, with Python for data analytics. The system was deployed on AWS (Amazon Web Services), utilizing services like EC2 and RDS for robust data handling and scalability. This implementation streamlined billing processes, leveraging cloud efficiencies.
- Created a Helpdesk and Ticketing Platform in PHP and JavaScript at Capgemini, hosted on Microsoft Azure. It integrated Azure SQL Database for data management and Python for analytics, resulting in a 40% improvement in issue resolution times.
- Designed a User Feedback Module with JavaScript (D3.js) for text analytics, hosted on Google Cloud Platform (GCP). This utilized BigQuery for handling large datasets and provided insights for feature enhancements and prioritization.
- Focused on identifying and fixing software defects, especially in cloud-based applications. Ensured data integrity and security in cloud environments, maintaining detailed documentation for systems deployed on AWS and Azure.

| [HTTPS://CHY0010.GITHUB.IO/CHAITANYA-PORTFOLIO/](https://CHY0010.GITHUB.IO/CHAITANYA-PORTFOLIO/)

| PROJECTS

- Student Management System
- Task Tracker Application
- Online Quiz Platform
- E-commerce Website
- *Quality Analysis & Grading of Rice Grain - Image processor in MATLAB*
- Designed Several Web Pages for Fun

HTML/CSS. Gathered and analyzed food data for 2 months and implemented methods to reduce food waste by 55%. Won 2nd position for people's choice.

- **Grow with Google:** Attended workshops at Grow with Google to improve my technical and digital skills. Learned the usage of Google Suite in business and finance.
- Volunteered in the "Young Achievers" youth empowerment program conducted by the International Association of Lions.

| CERTIFICATIONS

- Java Programming Masterclass 11 & Java 17-Udemy
- Cloud Computing and Amazon Web Services-Udemy
- Angular - The Complete Guide-Udemy
- Practical Spring Boot Microservices-Udemy

| CO CURRICULAR ACTIVITIES

Cricket: I love cricket for its teamwork and the excitement it brings.

News: Staying informed is a personal passion, keeping me engaged with the world.