

# HRUDAYA JINNA

United States (Open to relocation)

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## SUMMARY

Experienced Software Engineer with 3+ years of experience delivering solutions in cloud environments. A dedicated individual contributor, Proficient in Python, Java, SQL, AWS, and Machine Learning, actively solving problems in the domains of CRM, Finance, Healthcare, and Data Management.

## EXPERIENCE

### DEVELOP FOR GOOD

San Francisco, CA

#### Software Engineer

October 2024 - Present

- Led development of Girls Link Up Digital Platform, a STEM and social-emotional wellness platform serving 500+ women.
- Implemented a role-based authorization system to manage organizational and individual accounts using **MERN** stack.
- Architected a user management system with **MongoDB** for data storage and **Express.js** for API development
- Developed a responsive frontend interface using **React.js**, integrated with **AWS** and **Elastic Beanstalk** infrastructure.
- Increased operational efficiency by 65% through development of real-time administrative dashboard tracking 15+ KPIs.
- Implemented automated invitation system with 85% activation rate, processing 1000+ verifications at 99% delivery rate.

### UNIVERSITY OF MARYLAND BALTIMORE COUNTY

Baltimore, MD

#### Software Engineer

October 2022 - September 2024

- Engineered full-stack video interview platform using **React/Next.js** and **AWS Transcribe** processing 1000+ sessions.
- Built scalable **Node.js** backend with serverless architecture achieving 99.9% uptime for concurrent users.
- Developed **data analytics** dashboard tracking candidate performance metrics including speech-to-text accuracy, communication efficiency, enabling objective interview assessments with 90% reliability.
- Mentored 8 student development teams in **agile methodologies**, resulting in 100% project completion rate.
- Taught advanced courses in **database optimization** and **computer architecture**, improving student performance by 25%.

### HARMAN CONNECTED SERVICES

Bangalore, India

#### Associate Software Developer

September 2021 - August 2022

- Collaborated on the development of an IoT device management platform serving 50,000+ connected devices.
- Designed event-driven architecture using **Apache Kafka**, processing 10,000+ messages/second with 99.9% reliability.
- Implemented microservices using **Node.js** and **Docker**, reducing deployment time by 50%.
- Optimized database performance through **PostgreSQL** queries and **Redis caching**, achieving 30% faster data retrieval.
- Architected serverless computing solution using **AWS Lambda**, handling 1M+ daily device data points.
- Managed cloud infrastructure using **AWS services (S3, CloudWatch, Lambda)**, maintaining 99.9% uptime.
- Implemented automated **CI/CD** pipeline using **Jenkins**, reducing deployment errors by 75%.

### COGNIZANT TECHNOLOGIES

Hyderabad, India

#### Software Intern

January 2021 - July 2021

- Created comprehensive documentation for software features and testing protocols, ensuring seamless integration.
- Developed automated test suites using **Selenium and Java**, achieving 80% test coverage for the Make My Trip application.
- Implemented **API testing framework** using **Postman** and **JSON/XML**, reducing manual testing time by 40%.

## PROJECTS

### Random Meme Generator

[LINK](#)

- Developed a full-stack application that generates customized memes from user-uploaded images using **Flask** and **React**.
- Integrated learning models (**LSTM, CNN**) for caption generation, achieving 85% satisfaction and 40% faster processing.

### Distributed Peer-to-Peer File System

[LINK](#)

- Implemented secure connections, user permissions, and encryption (**Fernet, SHA256**), supporting **CRUD** operations on replicated servers. Achieved fast performance: 12.2 seconds for 60,000 create and 5.6 seconds for 30,000 read requests.

### LinkedGuard - LinkedIn Privacy Solution

[LINK](#)

- Developed an automated privacy protection system using **Python** and **ML** to analyze companies legitimacy on LinkedIn and customize resumes. Built an intelligent scraping system using **spaCy NLP** and **regex** for sensitive data detection.
- Implemented multi-level (1-5) resume masking that achieved 92% accuracy in fraud prevention.

## SKILLS

- **Languages and Databases:** Python | Java | Javascript | SQL (MySQL, PostgreSQL) | NoSQL (MongoDB)
- **Domain Knowledge:** SDLC | Cloud Development | CI/CD | Unit Testing | REST API | Microservices | ETL | Distributed Systems | DevOps | Machine Learning | Data Engineering | Generative AI
- **Libraries & Frameworks :** Spring Boot | Django | ReactJS | Amazon Web Services | Azure Cloud | Docker | Terraform | Git | PyTorch | OpenAI | NumPy | Pandas | Jenkins | Kafka

## EDUCATION

### UNIVERSITY OF MARYLAND BALTIMORE COUNTY

Baltimore, MD

Master of Science in Computer Science

May 2024