

# UDAYA CHARAN P

## SOFTWARE ENGINEER

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### Overview

Versatile backend developer with a robust computer science foundation, a coding passion, and proficiency in English, Tamil, and Telugu. Emphasizing excellence, simplicity, clean code, and efficiency in work. Experienced in frontend development and Android app development, showcasing proficiency in both areas.

### Languages

- English
- Tamil
- Telugu

### Skills

- Core Java
- Python
- PHP
- Andorid
- Spring
- MySQL
- Gradle
- JUnit
- Web Sockets
- Scrum
- Kafka
- Docker
- TestNG
- HTML
- Teamwork
- Redis
- PostgreSQL
- JavaScript
- CSS
- Problem-Solving
- Tomcat
- Microservices
- JQuery
- Restfull APIs
- Leadership

### Experience

#### Software Engineer (Java Backend Developer)

July 2020 – Present

Zoho Corporation Pvt Ltd

Chennai

- Served as a **Java backend developer** with a focus on **SAAS** applications.
- Boosted app performance 25% with **code refining, persistence layer** (including **query optimization**) enhancements, and **data storage** (including **denormalization** and **indexing**) optimization.
- Implemented **Redis**, reducing data retrieval times by 20%, and introduced **Kafka** for faster application data **logging**, improving processing speed by 15%.
- Expertly resolved **production issues** by adeptly analyzing server **logs** and addressing component-related issues.
- Achieved **PCI** compliance for our application by securing payment data.
- Engineered a **microservice**, consolidating various card issuing services, and unifying data for Zoho services, resulting in a 20% improvement in **operational efficiency**.
- Designed the **database** structure, shaped **system architecture**, and optimized **deployment** times by 50% using **Gradle** and **Docker** for the **microservice**.
- **Guided** and **mentored** 2 to 3 junior developers, utilizing **agile methodology** to assign tasks, conduct code **reviews**, and foster professional growth.

#### Software Engineer Intern (Java Backend Developer)

Dec 2019 – July 2020

Zoho Corporation Pvt Ltd

Chennai

- Streamlined report approvals by integrating Zoho Cliq with Zoho Expense.
- Enhanced application reliability with **TestNG unit tests**, achieving a 20% reduction in bugs.
- Collaborated with team members using **version control systems** such as **Git** to organize modifications and assign tasks.
- Created custom **ERP integration** solutions for customers using **Python** and **Go**.

#### Software Engineer Intern (Android App Developer)

May 2019 – July 2019

RateMySinging

Chennai

- Integrated **Paytm** for payments, effectively reducing transaction failure rates by 15% using **Firebase** error handling.
- Made **UI** changes for the "Rate My Singing" **Android** app. Implementing **Firebase** as a **BaaS** (backend-as-a-service).

#### Software Engineer Intern (PHP Developer)

May 2019 – June 2019

SP Robotics

Chennai

- Boosted **payment** processing efficiency by 30% with the development of a **JavaScript**-powered Admin console, employing various **front-end** libraries and **Laravel** for the backend.
- Improved system performance by upgrading **PHP** dependencies and libraries, resulting in a 20% reduction in processing time, facilitated by **Docker**.

### Education

#### Bachelor of Science in Computer Science

Aug 2016 – May 2020

Loyola-ICAM College of Engineering and Technology

Chennai

- Acquired proficiency in programming, algorithms, software development, secure database management, and web development expertise.