

# ASHUTOSH ROY

## SOFTWARE DEVELOPMENT ENGINEER

(M) +91 6290766525 | Bengaluru, India  
ashutoshroywork@gmail.com | [LinkedIn](#) | [GitHub](#)

Seeking a dynamic opportunity to leverage my 3.5 years of experience as an Application Developer, aiming to contribute to an organization's growth while further developing my skills in a conducive and challenging environment.

## EXPERIENCE

### Thoughtworks

June 22 - Present

Application Developer Consultant

Bengaluru

Client: Piramal Capital & Housing Finance Limited

- Automated EMI-Receipt posting, **reducing turn around time (TAT) by 60% (from 5 hours to 2 hours)** and ensuring compliance and **timely collection of customer's EMI** by developing a Spring based file processing service that allows operational stakeholders to process **millions of records**.
- Enabled stakeholders to track **business impact with clear insights** by developing **Grafana dashboards** to monitor API performance and feature adoption.
- Enhanced efficiency for **70+ operational stakeholders** by improving real-time visibility with metrics for over **1 million monthly receipts**. Achieved a approximately **90% reduction in resolution time** by implementing **in-mail alerts** for **critical 5xx errors**, configured using **Grafana**.
- Ensured adherence to **99.9% SLA** for data availability during business hours, **reduced retrieval times** via resilient Data-Sync APIs developed in **SpringBoot** to consolidate scattered loan and EMI data for over **1M+ customers** from Pennant and Snowflake into MongoDB.
- Enhanced **memory usage efficiency by 95%** during high-volume data processing by using **VisualVM** to identify and analyze memory leaks.
- Added **Junit test cases** to achieve **90%** coverage for all business logic, improving code reliability and reducing issues in production.

Client : Global Digital Health Monitor (adopted by World Health Organization)

- Reduced deployment complexity and **infrastructure costs by 25%** by migrating the deployment architecture from Jenkins and Ansible to **GitHub Actions, AWS CodeDeploy, and EC2**.
- Developed **CI/CD pipelines** for different (QA, Stage, Production) with following:-
  - Integrated automation test suites**, reducing post-deployment issues by 30%, improving release quality metrics across all environments. Incorporated **JaCoCo code coverage checks**, ensuring consistent monitoring of code coverage and automatically storing reports for future analysis and improvement.
  - Added **secrets scanning** to identify potential vulnerabilities, **achieving 100% compliance** with security standards.
  - Enhanced team communication** by developing a **web-hook chatbot** to provide real-time pipeline outcome notifications.
- Reduced **GCP Compute engine provisioning time by 80%**, enabling faster deployments by automating resource setup with **Terraform** scripts.

### Simplify 3x Software Pvt. Ltd.

Apr 21 - Jun 22

Software Engineer

Bengaluru

Client : Anthem FIGRP

- Developed **Spring Boot Microservice** for user authentication and authorization feature using **Ping Federate SSO** using **Java 8** features and OAuth
- Developed an Integration with SharePoint to perform File I/O on Excel File uploaded in SharePoint using RESTful APIs
- Used **Kafka** for notifying the events across multiple microservices.

## PROJECTS

[PyDeMan - Python Dependency Manager](#) 

- Desc* : A website that describes the info i.e., utility of package, syntax for install command, Github statistics i.e., (No. Of Pull requests / Stars /Forks), Author & License for the package
- It scrapes the information from pypi.org using BeautifulSoup 4 python package

## SKILLS

**Languages** : Java, Spring Boot, Data Structures and Algorithms

**Technologies** : AWS, Jenkins, Docker, Kafka, Cloud Defense, Visual VM, Grafana, Prometheus, MongoDB, MySQL, REST

**Interests** : Python, Django, Flask, BeautifulSoup

## EDUCATION

**Bachelor of Computer Applications**

2018 - 2021

Christ University, Bengaluru

GPA : 3.51/4

## EXTRA CURRICULARS

- Made an open source contribution to Apache Iceberg ([link to PR](#)).
- Completed the Wipro Half Marathon, TCS 10km, and BMF 15km Trail Run,