

BHARGAV NAGARAJ REDDY

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OBJECTIVE

- Software Engineer 2 with 3+ years of work experience in Honeywell
- Aiming to leverage my academic experience and proven knowledge of enterprise application development and programming to successfully improve and adapt to changing technologies and contribute to the organization
- I am a quick learner and would like to work in cutting edge technologies and can be relied upon to help the company achieve its goals

EDUCATION

Bachelor of Computer Science, PES University (7.41/10)

2014 - 2018

SKILLS

Languages	C, Java, Python
Database/ cache	PostgreSQL, MSSQL, Hazelcast
Other	REST API, Spring Boot, RabbitMQ, Kafka Streams, Debezium, Docker, Git, Elastic search
Build tools	Gradle, Maven
Tests	jUnit, cucumber, component tests, integration tests, contract tests
Operating systems	Windows, Linux, Mac OS X
Web	HTML, CSS, JS
Concepts	Big data, Micro-services, Android application development, Machine learning

EXPERIENCE

Software Engineer 2
Honeywell (Intelligrated)

Jul 2018 - current
Bengaluru, KA

Customer team

- Developing Automated warehouse solutions for large-scale warehouses using Spring Boot and cloud, Micro-services, SQL database, Rest API, AMQP, Swagger, Eureka, Camunda workflow, Hazelcast for Remote Caching, JPA database ORM framework, and DROOLS for Rule Engine
- Worked on different microservice components, built functionalities around them, and understood the domain Knowledge for components
- Involved in estimations, review, Coding, design, Requirement analysis, estimations, and implementation of epics
- Made code robust by adding JUnit, component tests(cucumber), contract tests(stub), and integration tests
- Created a microservice application from scratch for new storage business functionality and successfully deployed it at the customer site

Data Virtualization team

- Designed, Developed & Maintained a data streaming framework for the movement of data and transformation of business data using Kafka, Kafka streams, Kafka connect, and Elastic search
- Transformed data helped in creating different KPIs, dashboards, alarms, and ML models, Which further became a value added product offering

Data Intelligence team

- Developed Machine learning models Under Fellow Engineer, which improved the movement of containers by reducing traffic by 20% on the conveyor, and pick-time of item was predicted up to 92% accuracy

- Patented the optimization in travel time of container on conveyor and pick-time of the item

Platform team

- Contributed to the framework that generates spring boot microservice application depending upon the model provided by the business team
- Created a graphical Simulator using OpenGL and c++, turned it into product offering

Summer Intern

Jun 2017 - Jul 2017

Vantage Agora

Bengaluru, KA

- Interpreted about Business operating system & Analyzed workflow
- Recommended optimization for a few bottlenecks in the database

PROJECTS

kafka-connect-rabbitmq

Aug 2020 - Sep 2020

Open Source

- Programmed Kafka connector to source data from a RabbitMQ Queue to Topic or vice versa
- Added functionality of transforming JSON data to Avro, Extract header, etc

Inference of Crime Using Big Data

Jan 2018 - Apr 2018

PES Final year project

- Analyzed the crime rate of Chicago, reducing crime rate giving the authorities to find ways to curb crime
- Predicted crime rate by incorporating Nodal (Demographics and Point of Interest data) and Edge (Taxi Flow and Geographic data) features into a regression model

PayPes

Jun 2017 - Oct 2017

PES University

- Build an android application to make cashless transactions possible at college using id cards
- Introduced a digital Wallet, which was hosted on Google Firebase services and also implemented services like NoSQL database, file storage, notification manager
- Implemented functionalities such as scan bar code, transaction history, pre-order, etc. Also Created different UI flow for merchants and Customers. The application was backed by Razorpay for a payment gateway

HONORS-AWARDS

- Bronze Star Award at Honeywell for contribution in the Pick time/ Travel time analysis using Operational research/ML and solving customer problems by bringing in new ideas and technologies
- Bravo Star Award at Honeywell for building a data flow framework

ELECTIVES AND MOOCS

- Certification Data Science and Artificial Intelligence from IIT Madras
- Certified SAFe 4 Practitioner from Scaled Agile

INTEREST

- Causal gaming, interested in new technologies, and the latest innovation
- Fond of Traveling, Trekking, and food enthusiast