

Muhammad Wasi Naseer

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EXPERIENCE

VENTUREDIVE | SOFTWARE ENGINEER (BACKEND) Nov 2020 - Present | 11 months

- Working as a Java Backend Developer at **Munchies**
- Actively Working alongside with the product, design and development team to maintain, improve, and add new features to the **Snack delivery app**.
- Developed a framework to maintain **entities history** using **Hibernate listeners**.
- Added algorithm and job to automatically tag a rider available to the order which does not have a rider assigned
- Implemented feature that a rider can deliver **more than one orders at a time**
- Integrated Inventory Management System with Munchies Backend to **enable real-time inventory**
- Created **Quartz job to sync inventory** after every 1 hour with inventory management system (Marco)
- Designed and Developed **Warehouse model** at the core of our backend
- Decrease **Google distance matrix API** cost by improving buddy finding algorithm
- Implemented **Multiple device login with Spring Security**
- **Refactored legacy code** in accordance with design principles e.g good naming, improved test coverage, reduced code smells, etc
- **Technologies:** Redis, Firestore, AWS, Hibernate ORM, Lombok, Envers, MySQL, SonarQube, Swagger API, Bash Scripting, Quartz, and Git

TECHLOGIX | SOFTWARE ENGINEER (FULL STACK) June 2019 - Nov 2020 | 1.5 years

- Integrated **Oracle's Banking Digital Experience (OBDX)** with the Core banking system.
- Customized **Payee** and **Transfer** modules (Internal, IBFT and RTGS) of OBDX
- Development of new or existing modules screens in **Javascript-KnockoutJS**
- Development of new or existing REST APIs in **Java Jersey Framework**
- Technologies: Java JAX-RS, KnockoutJS, EclipseLink ORM, Swagger API, Oracle DB, Weblogic Server, Bash Scripting, and Git

SYMANTEC | SOFTWARE DEVELOPMENT INTERN June 2018 - Aug 2018 | 3 months

- Developed **MongoDb to Elasticsearch Query Converter** using Python.
- Researched on using **Cassandra** and **ElasticSearch** for large distributed systems. Also, Wrote worked on Wavefront, Splunk, and Bash Script.

EDUCATION

INSTITUTE OF BUSINESS ADMINISTRATION (IBA)

BS IN COMPUTER SCIENCE (BSCS)

Graduated May 2019 | CGPA: 3.85/4 | 2nd Position Holder

PROJECTS

DISTRIBUTED FILE SYSTEM | GITHUB Python, Sockets Programming

- Built **Single File System image** to store files on distributed servers and able to connect multiple clients.
- Implemented distributed system meeting requirements of access, location and replication **transparency**.

REMOTE TASK MANAGER | GITHUB C, Linux System APIs, Sockets, Multithreading

- Built command line utility where **multiple clients** can connect and get their work done by **multithreaded server**
- Implemented Multithreaded Client/Server Model using Linux Syscalls APIs e.g: signal(), kill(), socket(), fork(), etc.

MONGODB TO ES QUERY CONVERTER Python, Lark-parser, Compiler

- Built command line utility to convert a **MongoDB** query to its corresponding **ElasticSearch** query.
- Implemented Parser, Tokenizer and Context Free Grammar of MongoDB using Lark-parser.

SKILLS

- **Java (Proficient)**
- **Python (Proficient)**
- Spring Boot
- Scripting
- Git
- Hibernate
- Redis
- AWS (S3, EC2, etc)
- Firebase
- Docker
- Javascript
- MySQL & OracleDB

AWARDS & ACHIEVEMENTS

- 2019 GRADUATED WITH 2ND POSITION AT IBA
- 2015-19 DEAN'S MERIT LIST AT IBA
- 2015-19 50% MERIT SCHOLARSHIP AT IBA
- 2016 3RD BEST VOLUNTEER IN TCF INTERNSHIP

SIDE PROJECT

UPLOADEXA | FRONTEND, BACKEND Java Spring Boot, React JS, MongoDB, & AWS

- A web application to quickly upload and share files using generated link or QR Code.
- User data and file metadata stored in MongoDB while files stored in **AWS S3** using Java AWS SDK.