Komal Garg

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EDUCATION

University of Massachusetts, Amherst   Expected Graduation: Summer 2022
Master of Science in Computer Science

College of Engineering, Pune   Graduated: May 2017
Bachelor of Technology in Information Technology

EXPERIENCE

Software Engineer 2   June 2019 - January 2021
HERE Technologies   *Mumbai, India*

- Produced reports of strategic business KPIs by constructing Quality monitoring pipeline consuming streaming Map data. Recognized as best performer for the project
- Reduced services troubleshooting time by 60% through generating visual feedback-loop leveraging **Tableau** dashboards to render map features and its evaluation metrics
- Automated CI/CD infrastructure for the deployment of **Flink** Pipelines and **RESTful** services on **Kubernetes** utilizing **Helm charts** leading to minimal manual intervention
- Implemented Snapshot application to access observable map features from **AWS** publication repository using **Akka Actor system** and **MySQL database**
- Improved throughput of Microservices by 30% by designing **Grafana** dashboard performance alerts mechanism

Application Developer   July 2017 - May 2019
Oracle Financial Services Software Limited   *Mumbai, India*

- Increased Code coverage of payments subsystem to 85% by writing **JUnit** test cases
- Built **RESTful APIs** and responsive user-interface for Limits module using **Knockout JS** allowing banking customers to set custom limits for monetary transactions
- Integrated Oracle Banking APIs with host services by implementing adapters using **Apache Camel Framework**
- Actively participated in Scrum team planning and backlog grooming
- Decreased threat of fraudulent activities by developing Alert subsystem so as to provides real-time updates of transactions on customer's preferred mode of the communication channel

Software Developer Intern   April 2016 - May 2016
HSBC Financial Services Holdings Company   *Pune, India*

- Created a user-friendly web application "Desk Booking System" allowing staff to find and reserve a workspace as well as meeting rooms using **Model-View-Controller architecture** and **Postgres** as backend database

TECHNICAL SKILLS

Languages: JAVA, C, Scala, SQL, PostgreSQL, JavaScript, TypeScript, Knockout JS, HTML, CSS
Frameworks: AJAX, Spring Boot, Docker, Jenkins, Apache Camel, JDBC, Protocol Buffers, Mockito, Flink, Kafka, Kubernetes, JaCoCo, Helm Charts, Maven, AWS Cloud Services, PostGIS
Application Software: Postman, GitLab, SonarQube, AWS, Grafana, Tableau, Elasticsearch, Android Studio
Distributed Systems: Apache Spark, AKKA Actor System

PROJECTS

Stock Trading System | *JAVA, Spring Boot, Maven, Design Patterns*   Fall 2019

- Engineered web-services facilitating user to trade stock online and keep track of transactions

Icicles Game | *JAVA, Android Studio, Application Engine libGDX*   Spring 2019

- Created a cross-platform 2D game where the player must save himself from icicle drops falling from top of the screen and maintained three difficulty levels depending on frequency and speed of falling Icicles

AWARDS & EXTRACURRICULARS

- Winner of Carrom Championship, 2018 held in Oracle
- Volunteered to create a portfolio website using WordPress for an NGO Common People Social Foundation (CPSF)
- Publicized perfume product as Exhibitor in various Expos and received an overwhelming response from customers
- Led Infrastructure Team in Mindspark, 2016 – an annual technical event of COEP