ISHWARYA HIDKIMATH BASAVARAJ

ishwarya1011.hidkimath@gmail.com | linkedin.com/in/ishwaryahidkimath101196 | www.github.com/iisshh | Portfolio

Tempe, Arizona 85282 | +1 (602) 931-7006

Experienced Software Engineer with expertise in Java, Python, SQL, NoSQL, cloud environments, and Agile. Skilled in full SDLC, cross-team collaboration, resolving production issues, and leading system migrations. Strong believer in the value of hard work.

WORK EXPERIENCE

Software Development Engineer Xperi former Tivo Tech Pvt Ltd, India   *Apr 2022 – Dec 2022*

- Optimized extractors and transformers for the UDF, leveraging **Java, Python 3, MongoDB, and RabbitMQ** to efficiently extract and distribute data to multiple target clients in real-time, reducing flow time by **40%**.
- Designed and implemented media data extractors, integrating them with client-specific transformers, ensuring seamless data flow across multi-tiered systems in **under a minute** by leveraging **Maven, Mockito, and SonarQube**.
- Engaged in the full **software development life cycle**, including requirements gathering, design, implementation, DevOps, testing, debugging, bug fixing, code reviews and API documentation.

Senior Software Engineer Ribbon Communications, India   *Sep 2020 – Apr 2022*

- **Led the migration** from a monolithic to a microservices architecture, taking ownership of the License Management module and product billing system, utilizing **Java 8, Spring Boot, and MVC architecture, REST APIs, and Kafka**.
- Introduced on-demand reports based on customer requirements, delivering a more stable, good performance and high quality solution, in the early stage of the release, which helped generate **$1 million** in early revenue.
- Driven by my passion for quality**,** I conducted impact and risk analyses before resolving bugs and optimized the architecture, resulting in a **25%** reduction in downtime and a **30%** decrease in bug resolution time.

Software Verification Test Engineer Ribbon Communications, India   *Aug 2018 – Sep 2020*

- Developed and automated test cases of EMS using **Java, JUnit, and Selenium**, while designing comprehensive test plans to cover all functional test cases reducing manual testing time by **80%**.
- Optimized and integrated test suites into the **CI/CD** pipeline using **Jenkins, Docker, Groovy scripts and Swagger** docs, and helped in early detection of bugs by **40%**.
- Automated repetitive tasks and enhanced test suites by developing **shell scripts**, reducing manual work and streamlining test processes for various cloud deployment environments including and reduced the creation time by **99%**.

EDUCATION

Masters of Science, Computer Science   *Jan 2023 - Dec 2024*
  Arizona State University, Arizona, United States (CGPA : 4/4)

Bachelor of Engineering, Computer Science & Engineering   *Aug 2014 - Jun 2018*
  Visvesvaraya Technological University, Belgaum, India (CGPA : 8.2/10)

SKILLS

Programming Language: Java 8, Python, Kotlin, C++

Servers and Tools: Tomcat, Grafana, JIRA, Jenkins

Web Technologies: HTML, CSS, JavaScript, Angular, React

DBMS: Postgres, Oracle, MySQL, MongoDB, Redis

AWS Services: DynamoDB, SQS, EC2, S3, Cloud watch, Lambda

Gen AI Technologies: LLM (Llama3), Langchain

Software Development Methodologies: SDLC, Agile, Scrum, TDD

Testing Tools: JUnit, Selenium, Postman, Mockito

Virtualization & Cloud: OpenStack, KVM, VMware, GCP, Kubernetes

IDE: IntelliJ, Eclipse, Pycharm, Visual studio

Architecture and Design: MVC architecture, Object-Oriented Design

Version Control: SVN, Github, Bitbucket

Soft Skills: Self-motivated learner, Good communication, Mentorship, Critical thinker, Networking

RECENT PROJECTS

Financial Operations Management System   *May 2024 – Jun 2024*

- Developed a financial management system using **Gradle, React and Bootstrap 5, Ktor and MongoDB**. Built key features for managing partners, products, invoices, transactions, and ledgers, ensuring secure and efficient operations.

Multi-Tiered Cloud-Based Facial Recognition System (Source Code)   *Jan 2024 – Mar 2024*

- Built a scalable facial recognition app on **AWS IaaS**, dynamically adjusting resources based on demand. Used machine learning for real-time image classification, handling **50 concurrent requests in 120 seconds**.

Serverless Video Analysis Pipeline on AWS (Source Code)   *Apr 2024 – May 2024*

- DBuilt a serverless, auto-scaling video processing pipeline with AWS Lambda and S3. Used FFmpeg and deep learning for frame extraction and face recognition, processing **100 concurrent requests in 200 seconds**.

(MORE PROJECTS)