

# GOVIND MALURWAR

Manchester, UK

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Commercial IT experience: **9+ years**. Availability: **30 days**.

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## PROFESSIONAL EXPERIENCE

I am an experienced **Full Stack Java/WEB developer** with **9+ years** of experience in commercial IT, **GOV.UK digital services**, oil and gas Digital, and parts & equipment. Proficient in Agile/Scrum methodologies, including TDD and pair programming. Holds a bachelor's degree in Information Technology and is an **AWS Certified Developer**. Recognized for being pragmatic, responsible, creative, and highly collaborative, with a proactive approach to problem-solving and delivering impactful solutions.

## SKILLS

- **Java 8/11/17/21**, **Spring Boot**, Spring MVC, Spring Test, Spring Security, REST API, Hibernate;
- Node.js, **express.js**, Nunjucks, HTML5, CSS, **JavaScript**, JSON, XML
- Maven, Gradle, Jenkins, Linux;
- Oracle, Postgres, MySQL, MongoDB, Event-driven, Kafka, RabbitMQ, SQL, JDBC;
- JUnit, Mockito, Jest, Data JPA tests;
- AWS, S3, Lambda, IAM roles, EC2, SQS, SNS, RDS, ElastiCache, Elastic Beanstalk, DynamoDB;
- Git, Docker, CI/CD, GitLab, GitHub;
- Agile, Scrum, TDD, BDD, Pair Programming, CI/CD, MVP, JIRA, Rally, Confluence, IntelliJ IDEA.

### *Full stack Developer at DWP Digital Via Scrumconnect, Manchester, UK*

June 2023 – Present

#### About company and Project:

The Department for Work and Pensions (**DWP**) is the largest public service department in the UK, responsible for welfare, pensions, and child maintenance policy. It supports over 20 million people, including retirees, disabled individuals, and those seeking employment. **Repay My Debt** helps citizens to view and repay the benefits money they owe by direct debit, Flexi Pay or upfront payment. citizen setup plan, update plan, setup or update notification preferences.

#### Technology used:

Java 11/17/21, Node Js, express JS, Maven, Spring Boot, MongoDB, Docker, Git, GitLab CI/CD, BDD, Agile. Nunjucks, DWP CASA Framework, HTML5, SCSS, JSON, Node, NPM, AWS S3, AWS Lambda

#### Architecture:

All internal infrastructure based on Docker containers. Project RMD(Repay my debt) consists of an express js based service RMD-UI, and spring boot backend Debt service. RMD UI communicates with GOV PAY in case of customer making upfront payment, Debt service communicates with DM6 via kafka queues and stores details in Mongo db.

#### My role:

Understand and Implement user stories, deploy it to lower environments, give demo to stakeholders at end of the sprint. Manage the GitLab pipeline code.

#### Responsibilities:

- Led a team of 4 developers, mentoring them on best practices, reviewing code, and emphasizing clean coding standards.
- Collaborate with clients to enhance the RMD UI and services by addressing bugs and implementing new features.
- Review merge requests to ensure code quality and adherence to industry best practices.
- Analyze AppInsight logs to identify and resolve issues.
- Create or update event to asynchronously communicate with DMS Adaptor using project reactor and kafka queues
- Submit code to the GitLab source control repository and review failed builds in the GitLab pipeline.
- Improved website performance by ~20% by reducing backend calls and using Redis as session cache.
- Wrote 500+ unit tests and integration tests using JUnit and Mockito, increasing test coverage to 98%;
- developed UI tests with Jest to validate critical user flows.

### *Senior consultant at First student Alt via Thoughtworks, Pune, India*

January 2022 – April 2022.

#### About company and Project:

**First Student** is North America's leader in school transportation, offering safe, reliable bus and cab services. Using advanced technology like GPS tracking and route optimization, they ensure efficiency and real-time communication. **FirstStudentAlt** enhances these services by offering specialized transportation for students with disabilities, non-traditional schedules, or specific needs, ensuring safe, efficient, and accessible options for all.

### Technology used:

Java 11/17, JavaScript, react js, Spring Boot, Postgres, Kafka, SQL, GitHub, Go.CD for CI/DC, AWS(Cognito, Lambda, S3).

### Architecture:

The infrastructure is AWS-based and includes three personas: Driver, Provider, and First Student Admin. Drivers use Android/iOS apps to navigate pickups and drops. Providers and FS Admin manage trip assignments through React.js dashboards. FS Admin creates Blueprints for connected taxis, and the scheduler generates trips daily, notifying drivers of updates.

### My role:

Work closely with BA to understand the requirement, update FE UI and backend api's as per the request received from client. Take ownership of the feature, explain it to the team. help BA to divide it into features and stories. schedule multiple sessions with the team to explain technical requirements.

### Responsibilities:

- Provided support and resolved bugs to ensure continued smooth operation of existing services.
- Guiding and supporting other developers on best practices and coding standards
- Pull request review to ensure high-code quality standards were met.
- Categorize the application pages based on different user roles and ensure that only authorized users can access the pages they are allowed to view
- Keep the README file and documentation of the repository up to date.
- Designed and implemented a new REST API microservices.

### *Consultant at Caterpillar via Thoughtworks, Pune, India*

June 2020 – December 2021.

### About company and Project:

Toyota **Caterpillar Inc.** is a global leader in manufacturing heavy equipment for construction, mining, and energy sectors. Founded in 1925, the company also offers a **Service Information Portal**, providing customers with access to maintenance, repair guides, parts catalogs, and technical resources to efficiently manage equipment and reduce downtime. Visit <https://sis2.cat.com>

### Technology used:

All infrastructure is based on Azure, utilizing Azure DevOps for managing stories, CI/CD, and releases. Key technologies include Spring Boot, Microservices, Spring Security, Swagger, Redis Cache, MySQL Server, JUnit, Mockito, Git, Maven, and Azure App Insight.

### Architecture:

Two projects based on Spring Boot and Java. Everything deployable to Azure infrastructure. DEV, TEST, STAGE and PROD environments. Azure DevOps for merge-requests to change code and pipelines to deploy. 2 spring boot services for backend. sis UI and admin portal.

### My role:

Understand the requirement, create api contract, review with architect, Create Api based on contract finalized, debug the bugs by analyzing the App Insight logs. Perform load testing between different releases, analyse the logs and results. Identify the code impacting the performance.

### Responsibilities:

- work on Load Testing between releases and find out the issues that impact the performance.
- Create back-end microservice based on Spring Boot and Java
- Wrote unit, integration, and repository tests using JUnit, Mockito and Spring data JPA, ensuring high code quality and reliability.
- Break down and estimate development issues (features, improvements and defects)
- Tackled issues where the code produced varying results under high load conditions.
- Review merge requests for multiple repos
- Create and maintain detailed Swagger API Doc with custom filtering and Repo ReadMe file.

## ***Software engineer at BHGE, Powai, Pune***

March 2016 – April 2020.

### **About company and project:**

**Baker Hughes, a GE Company (BHGE)**, is a global leader in energy technology, providing innovative solutions for oilfield services, equipment, and digital transformation. **IntelliStream**, by BHGE, utilized IIoT, predictive analytics, and real-time monitoring to optimize operations, improve efficiency, reduce downtime, and provide data-driven insights for smarter decision-making in the oilfield industry.

### **Technology used:**

Java 8, Spring Boot, Spring Security, JUnit, Mockito, Git, Maven, Jira, Predix cloud, Redis, Postgres, RabbitMQ, cloud foundry, Swagger, Micro services, JSON, REST API, Scrum, TDD, CI, Grafana.

### **Architecture:**

The **IntelliStream** infrastructure is based on microservices architecture. Multiple microservices to collect time-series data from IIoT oil well sensors, send it to analytics services for real-time processing, processed insights are stored in a time-series database and APIs to communicate with the UI, enabling real-time visualization and diagnostics.

### **My role:**

My role was to build a back-end microservice from zero, Transforming large JSON into different formats as per defined contract, deploy that to Predix cloud using cloud foundry commands, Analyze logs stream to resolve defects. give a demo to stakeholders at the end of the sprint.

### **Responsibilities:**

- Designed and implemented a new REST API microservices.
- Reduced timeout issue due to external service performance to 0%.

### **Personal Projects**

**Timesheet application** for Scrumconnect consulting

**Face Recognition** to greet employees in the organization by their name

**Cafeteria App** to helped in digitising the food ordering in the office

## **EDUCATION AND TRAINING HISTORY**

- April-2024 – AWS Certified Developer – Associate
- Oct-2018 – Predix application developer
- Feb-2016 – Diploma in Advanced computing(CDAC-DAC)
- June 2013 – Bachelor of engineering from Dr D Y Patil College of engineering, Pune

## **ORGANIZATIONS**

Senior consultant at **Scrumconnect** (06/2023)

Senior Developer at **Thoughtworks** (06/2020 - 05/2023)

Software Engineer at **BHGE** (03/2016 - 03/2020)

## **CERTIFICATIONS**

Certified AWS Developer Associate