

Saurabh Patle
Full Stack Developer
Data Delve Technologies (Bangalore) (2019-2024)



Java Full Stack Developer with strong experience in Java (8/11/17), Spring Boot, Microservices, and RESTful APIs. Proficient in Angular, React, JavaScript (ES6+), TypeScript, HTML5, CSS3, and state management using Redux/NgRx. Hands-on with AWS (EC2, S3, RDS, DynamoDB, Lambda, CloudWatch) and serverless architectures. Experienced in Docker, Kubernetes, CI/CD pipelines, Git, Jenkins, and Agile methodologies. Skilled in SQL & NoSQL databases, security using OAuth 2.0, JWT, and application monitoring with CloudWatch/Datadog.

PROFESSIONAL SUMMARY:

- System Architecture:** Designed and implemented scalable low-level system architectures using **Java, Spring Boot, and Microservices**, enabling high availability and performance for enterprise and startup platforms.
- Backend Development:** Built secure and high-performance **RESTful APIs** using **Java, Spring Boot, Spring MVC, Spring Data JPA, and Hibernate**, following clean code and design principles.
- Frontend Development:** Developed responsive and reusable UI components using **Angular and React**, leveraging **TypeScript, JavaScript (ES6+), Redux, and NgRx** for efficient state management.
- Database & Persistence:** Strong experience in **PostgreSQL, MySQL, MongoDB, DynamoDB**, including schema design, query optimization, and transaction management.
- Cloud & DevOps:** Hands-on experience with **AWS (EC2, S3, RDS, DynamoDB, Lambda, CloudWatch)**, containerization using **Docker**, orchestration with **Kubernetes**, and **CI/CD pipelines** using Jenkins/GitHub Actions.
- Security & Integration:** Implemented authentication and authorization using **Spring Security, OAuth 2.0, and JWT**, ensuring secure API access and integrations.
- Testing & Quality:** Ensured application quality using **JUnit, Mockito, Selenium, and Postman**, supporting reliable backend and frontend integration.
- Collaboration & Delivery:** Worked closely with **UX teams, stakeholders, and cross-functional developers** in **Agile/Scrum environments** to deliver business-aligned solutions.
- Problem Solving & Innovation:** Developed **POCs** and optimized application workflows to address complex technical challenges.
- Project Contributions:** Delivered end-to-end features for projects like **HRMS, LockerVision, and Vanwale India**, covering frontend, backend, cloud deployment, and production support.

TECHNICAL ACUMEN:

Frontend Development	React.js, Angular, Redux, Next.js, HTML5, CSS3, JavaScript (ES6+), TypeScript
Backend Development	Java, Spring Boot, Spring MVC, Spring Data JPA, Hibernate, and Microservices architecture
APIs & Web Services	REST APIs, GraphQL, WebSockets
Build & Package	Tools Maven, Gradle, NPM
Version Control & Repositories	Git, GitHub, GitLab, Bitbucket, AWS CodeCommit
Security & Encryption	AWS IAM, AWS KMS
Containerization & Orchestration	Docker, Kubernetes, AWS ECS, AWS EKS

Logging & Monitoring	AWS CloudWatch, SNS, Splunk, Datadog
Operating Systems	Linux (Ubuntu, CentOS), Windows
Serverless Architecture	AWS Lambda, GCP Functions
Ticketing & Issue Tracking Tools	Jira, HP Service Manager, ServiceNow
Public Cloud Platforms	AWS, GCP, Azure
CI/CD Tools	Jenkins, TeamCity, AWS CodeBuild, AWS CodeDeploy
Configuration Management	Ansible, Chef
Infrastructure as Code (IaC)	AWS CloudFormation, Terraform
Database Technologies	MySQL, PostgreSQL, MongoDB, DynamoDB, Amazon RDS, Aurora, Redshift
Testing Tools	Mocha, Jest, Selenium, PyTest, JUnit

PROFESSIONAL EXPERIENCE:

Project Name: MPATS

Jan 2024 – Dec 2024

Role: Full Stack Developer

Responsibilities:

- **Developed and optimized** reusable, scalable, and modular UI components using **TypeScript** and **CSS3**, cutting code duplication by approximately **20%**.
- **Conducted code reviews** with tools like **Git** and **GitHub**, ensuring adherence to coding standards and reusability, which enhanced team productivity.
- **Defined and streamlined workflows** with **Agile methodologies**, resulting in improved sprint efficiency and timely module deliveries.
- **Implemented and evaluated Proof of Concepts (POCs)** to address complex technical challenges and introduced innovative solutions.

- **Debugged and resolved critical bugs**, ensuring seamless performance and optimal user experience in production environments using tools like **Selenium** and **Jest**.
- **Designed and implemented microservices** using **NodeJS** and **FastAPI** to handle user management, analytics, and reporting.
- **Developed RESTful APIs** for frontend integration, ensuring data consistency and reducing response times by **40%**.
- **Built reusable UI components** in **ReactJS** with **Redux Toolkit**, enhancing maintainability and modularity across the application.
- **Integrated WebSockets** for real-time updates on user dashboards, improving responsiveness and user experience.
- **Implemented database persistence** with **PostgreSQL**, designing optimized schemas and indexing strategies to improve query performance by **30%**.
- **Deployed microservices** on **Azure Kubernetes Service (AKS)** for scalability and **managed CI/CD pipelines** using **Azure DevOps**.
- **Collaborated with frontend teams** to ensure seamless integration with backend services and maintain consistent state management.
- **Conducted performance tuning** and developed monitoring scripts using **Selenium** and **Jest**, ensuring 99.9% uptime in production.
- **Developed automation scripts** in **Bash** to handle deployments and environment configurations across staging and production.

Tools & Technologies Used: ReactJS, Redux, HTML5, CSS3, JavaScript (ES6+), TypeScript, NodeJS, ExpressJS, Python (FastAPI, Django), SQLServer, PostgreSQL, MongoDB, Visual Studio Code, Azure (App Services, Functions), AWS (EC2, Lambda), Postman, Selenium, Git, GitHub, JIRA, Agile Methodologies

Project Name: LockerVision

Jan 2023 – Dec 2023

Role: Frontend Developer

Responsibilities:

- **Optimized API consumption** through strategic caching and load balancing, reducing latency by **25%**.
- **Built dynamic dashboards** using ReactJS and **data visualization libraries**, enabling real-time insights for stakeholders.
- **Integrated third-party analytics tools**, providing actionable data for improving user behavior tracking.
- **Conducted rigorous A/B testing** on UI changes, which resulted in **20% higher user satisfaction scores**.
- **Deployed the application to Azure**, leveraging automated CI/CD pipelines for faster and reliable releases.
- **Addressed cross-browser compatibility issues**, ensuring consistent functionality across diverse platforms.
- **Designed and developed microservices** for employee management and payroll processing using **Django** and **NodeJS**.
- **Implemented advanced database queries** and indexing in **PostgreSQL** and **MySQL**, reducing report generation times by **30%**.
- **Developed front-end features** using **Angular** and **ReactJS**, ensuring responsive design and cross-platform compatibility.
- **Optimized state management** using **Redux** to simplify complex workflows across modules.
- **Deployed microservices on AWS ECS**, leveraging **Docker** and **Terraform** for efficient infrastructure automation.
- **Integrated third-party APIs** for timesheet tracking and compliance reporting, reducing manual effort by **40%**.
- **Developed automated monitoring scripts** using **Sentry** and **Datadog** to detect and resolve system anomalies.

Tools & Technologies Used: ReactJS, HTML5, CSS3, JavaScript (ES6+), Data Visualization Libraries (D3.js, Chart.js), NodeJS, Python (Flask), SQLServer, MySQL, Azure (App Services, Blob Storage), Postman, JIRA, Git, Agile Methodologies

Project Name: HRMS

Jul 2022 – Dec 2023

Role: Full Stack Developer

Responsibilities:

- **Architected and implemented** the front-end using **ReactJS** and **Angular**, ensuring modular, reusable, and scalable UI components for seamless integration with **NodeJS** backend APIs.
- **Enhanced code quality** and maintainability by conducting thorough **code reviews**, utilizing tools like **ESLint**, and implementing CI/CD pipelines for automated testing and deployment.
- **Led Agile ceremonies** including sprint planning, backlog grooming, and retrospectives, using **JIRA** to track progress and improve project delivery efficiency.
- **Developed Proof of Concepts (POCs)** using **NodeJS** and **Python (Flask, Django)** to address business-critical requirements, showcasing innovative solutions to stakeholders.
- **Optimized database interactions** using advanced SQL queries, indexing, and performance tuning on **PostgreSQL** and **MySQL**, reducing query execution time by **30%**.
- **Integrated third-party services** and APIs, ensuring secure and reliable communication with external systems.
- **Debugged and resolved critical production issues**, leveraging tools like **Postman**, **Sentry**, and **BrowserStack** to ensure application reliability and uptime.

Tools & Technologies Used: JAVA, ReactJS, Angular, HTML5, CSS3, JavaScript (ES6+), NodeJS, Python (Flask, Django), SQL (PostgreSQL, MySQL), Visual Studio Code, Webpack, AWS (EC2, Lambda), Azure App Services, Postman, Sentry, Selenium, Git, Bitbucket, JIRA, Agile, Scrum, AWS CodeBuild, AWS CodeDeploy, Ansible, Chef, AWS CloudFormation, Terraform, MySQL, PostgreSQL.

Project Name: ApnaInsure
Role: Full Stack Developer

Jan 2021 – Jul 2022

Responsibilities:

- Integrated multiple third-party APIs to enhance application functionality using **ASP.NET Core Web API**, improving data accessibility and system interoperability.
- **Designed and deployed scalable server architectures** on AWS, leveraging **EC2**, **Lambda**, and **API Gateway** to ensure high availability and fault tolerance.
- **Gathered business requirements** through collaboration with stakeholders, validated concepts, and defined workflows, leading to a streamlined application development process.
- **Optimized database performance** by designing efficient data models and indexing strategies on **AWS DynamoDB**, reducing query latency by **25%**.
- **Mentored team members**, providing guidance on best practices for scalable and maintainable code, resulting in a more productive development environment.
- Developed a centralized platform from scratch for **insurance claims processing and policy management** using **ASP.NET Core MVC and Blazor**.
- Designed RESTful APIs with **ASP.NET Core** for integration with third-party services, enhancing functionality for policy updates and claims tracking
- Implemented a secure payment gateway using **Razorpay** with **.NET Payment Services**, supporting real-time payment validation and reconciliation
- **Built backend services** with **Flask** and **ExpressJS**, enabling high-performance data processing pipelines.
- **Integrated OAuth 2.0** for secure authentication and role-based access control (RBAC).
- **Deployed the platform on AWS**, leveraging **Lambda** and **API Gateway** for serverless architecture.
- **Designed and optimized database schemas** using **DynamoDB** and **MongoDB**, reducing query response times by **25%**.
- **Developed real-time analytics dashboards** with **D3.js**, providing stakeholders with actionable data on user behavior.
- **Implemented automated testing** with **PyTest** and **Jest**, ensuring code quality and reliability across deployments.

Tools & Technologies Used: C#, ASP.NET, JAVA, Python, Angular, HTML5, CSS3, JavaScript (ES6+), NodeJS, ExpressJS, AWS DynamoDB, MongoDB, AWS (EC2, Lambda, API Gateway, S3, CloudWatch), OAuth 2.0, JWT, Data Encryption, Git, Bitbucket, JIRA, Postman, Jenkins, Docker, Terraform, MongoDB, DynamoDB, Amazon RDS, Aurora, Redshift, Selenium, PyTest, JUnit.

Project Name: Vanwale India
Role: Full Stack Developer

Jun 2019 – Dec 2020

Responsibilities:

- **Designed and developed** a multi-platform application with seamless **frontend and backend integration**, leveraging technologies like **React.js, and Angular**.
- **Implemented reusable components** with state management tools like **Redux** and **Next.js**, ensuring consistent UI performance across modules.
- Architected backend services using **ASP.NET Core Web API** and **gRPC**, supporting complex workflows and integrating **REST APIs and GraphQL endpoints**.
- **Built CI/CD pipelines** using tools like **Jenkins**, **TeamCity**, and **AWS CodeBuild**, automating deployment and reducing time-to-market by **30%**.
- **Containerized applications** with **Docker** and deployed them in orchestrated environments using **Kubernetes**, **AWS ECS**, and **AWS EKS** for scalability and fault tolerance.
- **Integrated advanced security measures** such as **AWS IAM** and **AWS KMS**, enhancing application and data protection.
- **Optimized database operations** using **MySQL**, **PostgreSQL**, and **MongoDB**, designing schemas for efficient data storage and retrieval.
- **Implemented Infrastructure as Code (IaC)** practices using **Terraform** and **AWS CloudFormation**, automating infrastructure provisioning and management.
- **Monitored and logged application performance** with **AWS CloudWatch**, **Splunk**, and **Datadog**, proactively identifying and resolving bottlenecks.
- **Collaborated with cross-functional teams**, ensuring smooth workflows and alignment with business objectives using tools like **Jira**, **ServiceNow**, and **HP Service Manager**.
- Designed serverless functions using **Azure Functions and AWS Lambda**, streamlining lightweight processes for faster execution.

Tools & Technologies Used: C#, APS.NET core, React.js, Angular, Redux, Next.js, HTML5, CSS3, JavaScript (ES6+), TypeScript, Django, Flask, FastAPI, Node.js, Express.js, Nest.js, REST APIs, GraphQL, WebSockets, Maven, Gradle, NPM, Git, GitHub, GitLab, Bitbucket, AWS CodeCommit, AWS IAM, AWS KMS, Docker, Kubernetes, GCP Functions, Jira, HP Service Manager, ServiceNow, AWS, GCP, Azure, Jenkins, TeamCity.