

## **NIKESH ADHIKARI**

Software Engineer | Application Lead | Full-Stack Developer

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## **PROFESSIONAL SUMMARY**

Full-Stack Software Engineer with 5+ years of ICT experience delivering enterprise systems in healthcare, retail, identity management, workflow automation, and inspection platforms. Skilled across frontend, backend, cloud, QA, deployment, requirements analysis, and production support. Strong hands-on expertise in Java, Spring Boot, Angular, PostgreSQL, Oracle, AWS services, and Android. Experienced in leading small teams, coordinating with stakeholders, and driving the full SDLC from design through release and maintenance.

## **KEY ACHIEVEMENTS**

- Led cross-functional teams and successfully delivered multiple enterprise-grade enhancements for large healthcare and retail clients.
- Improved system reliability and stability in regulated environments through structured validation, regression testing, and controlled releases.
- Designed and implemented secure IAM authentication flows and automated user synchronization pipelines using AWS (Lambda, S3, Cognito, Aurora, Event Bridge).
- Built high-performance UI modules handling 100,000+ product records using infinite scroll and optimized backend queries.
- Created and executed comprehensive QA strategies across functional, integration, API, regression, and validation testing, including automation using Excel VBA and Postman.

## **CORE TECHNICAL SKILLS**

- Programming & Frameworks: Java, Spring Boot, Angular, Ionic, JavaScript, TypeScript, Python, Android (Java)
- Cloud Platforms: AWS Lambda, S3, Cognito, API Gateway, Aurora, Event Bridge
- Databases: PostgreSQL, Oracle, MySQL
- Tools: Git, Jira, ServiceNow, Apache Tomcat, Tortoise SVN, Visual Studio Code
- Testing & QA: Functional testing, integration testing, regression testing, Postman API testing, Excel VBA automation, validation testing
- Practices: SDLC, Agile methodologies, requirements analysis, specification creation, release and deployment support, production maintenance

## **PROFESSIONAL EXPERIENCE**

Tata Consultancy Services Japan

**May 2022 – Present | Tokyo, Japan**

Software Engineer / Application Lead

### **Dealer Target & Complaint Management Systems — Application Lead**

Environment: Java, desktop application, Oracle, ServiceNow

- Led and coordinated a team of 5 engineers, handling task assignments, progress tracking, technical reviews, and delivery quality.
- Acted as the primary technical contact for business stakeholders, clarifying requirements, understanding business rules, and translating them into detailed specifications.
- Provided end-to-end technical support, including troubleshooting, root-cause analysis, bug fixing, and enhancement planning.
- Managed ServiceNow tickets: analyzed incidents and change requests, prioritized work, communicated status, and ensured timely resolution.
- Prepared GxP-compliant documentation such as functional specifications, design documents, validation scripts, test cases, and deployment procedures.
- Executed multiple testing phases including functional, integration, regression, and release validation testing.
- Performed environment and infrastructure checks (Windows patch verification, SSL certificate updates, IIS configuration checks) as part of release readiness.
- Managed user account provisioning, role and permission settings, and scheduled maintenance jobs, while monitoring system health and performance after releases.

### **NAVI-KO Authentication & Identity Integration Platform — Full-Stack Developer**

Environment: Angular, Java Spring Boot, AWS Lambda, S3, Aurora, Cognito, API Gateway, Event Bridge, PostgreSQL

- Developed authentication modules using Angular (frontend) and Java Spring Boot (backend) integrated with AWS Cognito.
- Implemented password-based login, QR-code login, and token lifecycle management (ID, access, and refresh tokens) including session control and error handling.
- Designed and implemented an automated user synchronization pipeline: data extraction from Aurora → CSV generation → processing via Lambda → storage in S3 → distribution over SFTP using AWS Transfer, scheduled with Event Bridge.
- Created technical documents including architecture diagrams, sequence flows, API specifications, and module-level design documents.
- Developed backend logic for validation, password policies, QR-code verification, and secure access control.
- Performed unit, integration, and regression testing, as well as API testing using Postman, and supported production deployment and post-release verification.

### **Pfizer HCP Portal — Quality Assurance Engineer**

Environment: Web application, Jira, Postman, Excel VBA

- Collaborated with business stakeholders and external vendors to understand functional requirements, workflows, and expected system behavior.
- Managed Jira tickets: created, analyzed, prioritized, assigned, and tracked issues through closure.
- Created comprehensive test cases covering functional flows, integration scenarios, validation checks, and API endpoints.
- Executed functional, integration, validation, and API testing using Postman; verified correctness of responses, error handling, and security-related behaviors.
- Automated repetitive or regression test steps using Excel VBA and Postman scripts to improve test efficiency.
- Supported UAT and production releases by performing release validation, configuration checks, and post-deployment smoke testing.

### **Home Center System — Full-Stack Developer**

Environment: Angular (Ionic), Java Spring Boot, PostgreSQL, AWS Lambda, S3, CloudWatch

- Developed front-end modules using Angular/Ionic for product search, data input, and list display for a retail system managing over 100,000 product records.
- Implemented Excel upload and download features using AWS Lambda and S3, including validation of file structure, error handling, and monitoring via CloudWatch logs.
- Designed and implemented infinite-scroll functionality: initial loading of a subset of data (e.g., first 100 records) with dynamic loading of additional batches as the user scrolls down.
- Created backend REST APIs using Spring Boot to handle pagination, filtering, and data retrieval from PostgreSQL with efficient query design.
- Prepared detailed specifications and test cases, and executed Integration testing, integration testing, and regression testing.
- Supported deployment activities and verified system behavior after releases, providing ongoing support and improvements.

**TechnoPro Engineering Japan**  
**Full-Stack Developer / Android Developer**

**April 2020 – April 2022 | Tokyo, Japan**

### **Workflow System Redesign — Developer**

Environment: Java, Spring Boot, Angular, JavaScript, HTML, CSS, Oracle Database

- Developed workflow system modules using Java Spring Boot and Angular, implementing front-end screens, backend logic, and Oracle-based data access.
- Implemented workflow logic including rules, conditional branching, validation checks, and data transformation processes according to business requirements.
- Built UI components using Angular, HTML, and CSS for workflow request creation, approval screens, and status tracking.
- Implemented supporting functions and validations using Java/JavaScript, ensuring correct data formats and user input handling.

- Created backend logic using Java/Spring Boot for workflow execution, state transitions, and interaction with Oracle tables.
- Analyzed business requirements, discussed behavior with stakeholders, and prepared detailed technical documents describing workflow behavior and system rules.
- Executed unit testing, integration testing, workflow validation, and full-system verification to ensure the workflows behaved as designed.
- Supported deployment by performing environment checks, verifying configuration, and confirming stability after releases.
- Provided ongoing maintenance and enhancements, resolving defects, optimizing performance, and adjusting workflow logic based on change requests.

#### **Waterway Inspection Support — Android Developer**

Environment: Android (Java), Java backend, PostgreSQL, Tortoise SVN

- Developed an Android application for field inspectors to take photos, record measurements, and enter inspection details on-site.
- Implemented mandatory fields, validation rules, and structured input screens to ensure complete and accurate inspection data.
- Integrated with backend services written in Java using PostgreSQL to save inspection results and synchronize data.
- Prepared detailed design and specification documents, including screen transition diagrams and field definitions.
- Created test cases and executed Integration testing, verifying both UI behavior and backend integration.
- Used Tortoise SVN for source control and supported deployment and updates to the application.

#### **Working Hour Management System — Developer**

Environment: Java, JavaScript, HTML, CSS, Apache Tomcat, Oracle Database, Tortoise SVN

- Developed web screens using HTML, CSS, and JavaScript for staff to enter working hours, apply for leave, and view attendance/holiday information.
- Implemented backend logic in Java running on Tomcat, connected to Oracle Database for storing timesheets, leave applications, and approval data.
- Created features for leave request submission, approval flow, and calculation of leave balances and holidays.
- Integrated with external systems via Spring Boot APIs, handling request parsing, response mapping, and error handling.
- Prepared detailed specifications and test cases and executed Integration testing as well as integration testing with related systems.
- Supported deployment cycles and provided maintenance, handling bug fixes and minor enhancements according to user feedback.

#### **EDUCATION**

Diploma in Information Systems — Computer Education College, Japan (2020)

Japanese Language School — Higashi Asia Nihongo Gakkou (2017)

Higher Secondary — New Horizon Higher Secondary School (2012)

Secondary — Butwal Elite English School (2010)

#### **LANGUAGES & CERTIFICATIONS**

Languages: English, Japanese, Nepali, Hindi

Certifications: JLPT N2, TOEIC 890