

Mahesh Doiphode

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SUMMARY

Java developer who doesn't just build software—but translates an intolerance for repeated manual tasks and inefficiency into dramatic system improvements; currently architecting and building an open-source Java framework.

TECHNICAL SKILLS

Programming Languages: Java

Frameworks & Libraries: Spring Boot

Databases: PostgreSQL, MongoDB

Cloud & DevOps: AWS (EKS, ECS, S3, EC2, CloudWatch, etc.), Docker, Kubernetes, Helm, Jenkins, Bamboo, Git, Terraform

Tools & Platforms: Figma, Jira, Confluence, IntelliJ IDEA, VS Code

Methodologies: Agile, Microservices Architecture, CI/CD, Automation, Reactive Programming

Familiar: Spring WebFlux, Reactor Core, Angular, Android Jetpack Compose, Redis, Kafka

EXPERIENCE

Java Developer

NCSI Technologies

Pune, India

April 2023 – Present

Client: Singtel, Singapore (Prepaid Division - hi!App Project)

- Focused development efforts on Singtel's hi!App backend within the Prepaid Division, contributing to key feature delivery and system stability.
- Actively supported colleagues across related Prepaid projects by sharing knowledge of shared frameworks and resolving technical queries.
- Proposed, designed, and led the implementation of a new eSIM user registration process, dramatically reducing monthly failures from an average of 1250 to just 8 post-deployment.
- Engineered system improvements for SIM User validation filtering, automating manual checks and achieving a 90% reduction in manual processing time.
- Managed end-to-end feature development, including deployments to AWS (EKS/ECS) via Helm, production support, and providing technical assistance to testers.
- Utilized AWS CloudWatch extensively for monitoring application performance, logging, and troubleshooting production issues.
- Delivered technical knowledge-sharing sessions twice via the monthly "Prepaid Tech Talks" webinar series (attended by teams in India & Singapore).
- Recognized by the client director for significant contributions, leading to selection for documenting the entire hi!App backend architecture.
- Identified by client leadership as having high potential; subsequently selected for the NCS Talent Pool, receiving mentorship and specialized training to accelerate leadership development.
- Received "Exceeded Expectations" rating for 2024-2025 FY for outstanding performance and contributions to the project.
- Developed an AI-powered organizational integration tool that connects Bitbucket, Confluence, Jira, and AWS services with GitHub Copilot MCP, which was well-received by Singtel client and is currently being enhanced for internal company-wide deployment.

- Contributed to the development of a proof-of-concept Enterprise Resource Planning (ERP) system using the Java Spring Framework within a team setting.
- Gained practical experience in Agile methodologies, feature implementation, and testing procedures under mentorship.
- Assisted senior developers with code modules and participated in team code reviews.

PROJECTS

AI-Powered Organizational Integration Tool

Personal Project

Technologies: GitHub Copilot MCP, Bitbucket API, Confluence API, Jira API, AWS APIs

- Developed an intelligent integration system that connects Bitbucket, Confluence, Jira, and AWS services (EC2, EKS, ECS, CloudWatch) with GitHub Copilot MCP servers.
- Enables GitHub Copilot to fetch and analyze organizational data from multiple platforms to provide contextually accurate and comprehensive responses.
- Streamlines developer workflows by providing AI-assisted insights across the entire development and operations ecosystem.
- Successfully proposed and demonstrated to Singtel client, receiving positive feedback and approval for enhanced development toward company-wide internal deployment.

Routekit Microservice Framework

Personal Project

Technologies: Java 21, Spring Boot, Virtual Threads

- Developing a lightweight microservice framework using non-reactive Spring Boot, heavily leveraging Java 21 Virtual Threads for enhanced performance and scalability.
- Implementing dynamic HTTP request mapping based on external configuration files for flexibility.
- Designing support for custom middleware and interceptors (request/response filters).
- Creating abstractions to simplify and standardize controller/handler logic, error handling, and boilerplate code patterns.
- Building in abstractions for common authentication mechanisms (e.g., token validation).

Session Sync Chrome Extension

Personal Project

Technologies: JavaScript, Chrome Extension APIs, HTML/CSS

- Developed a Chrome extension to intelligently group related browser tabs for better organization.
- Implemented functionality to store and manage multiple account sessions for the same website without requiring repeated logins/logouts.
- Enables seamless switching between stored account sessions directly within the browser.

Teams Meeting Automation Extension

Personal Project

Technologies: JavaScript, Chrome/Edge Extension APIs, Web APIs, AI

- Created a browser extension to automate tasks during Microsoft Teams meetings conducted via the web client.
- Implemented automatic background transcription recording of ongoing calls with pause/resume functionality.
- Designed transcription files to save automatically using the meeting title fetched from the Teams interface.
- Integrated an AI service to generate concise meeting summaries and action items from the recorded transcript.

Collection of Personal Utilities

Personal Project

Technologies: Python, Spring Boot, MongoDB, Git, Docker, Batch Scripting, Selenium

- Developed a suite of automation tools including clipboard monitoring and Git command shortcuts.
- Created scripts for automated Docker volume backups and implemented automated email responders.
- Resulted in significant time savings (estimated 80%) on repetitive personal administrative tasks.