Sanchia Jodie Mantra

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Versatile Software Engineer with 5+ years of experience across frontend, backend, and mobile development. Skilled in building scalable, production-ready systems for large organizations and startups. Strong background in system design, cloud deployment, API integration, mobile apps, and AI-driven features. Passionate about delivering high-quality, maintainable, and user-focused solutions.

Work Experience

Jul 2023 - Present

PT. Bank Central Asia (BCA), Jakarta - Application Developer

- Developed and maintained a queue system used by **1,000+** BCA branches across Indonesia, expanded to stakeholder services during AGM.
- Reduced Android app size by **85%**, significantly improving performance and load times.
- Migrated **20+** Oracle stored procedures into **Spring Boot microservices**, improving scalability and maintainability.
- **Upgraded Angular** from version 10 to 17, ensuring long-term security and compatibility.
- Integrated **AI-based** Face Recognition and **thermal printing** features into Android apps.
- Built and optimized REST APIs to handle text and image data securely with Spring Boot.
- Set up monitoring dashboards on PCF Prometheus and optimized connection pooling configurations.
- Automated APK build and deployment processes using Jenkins pipelines.
- Conducted system stress testing using Apache JMeter and shared best practices with team members.

Jan 2021 - Present

Meov Tech, Bali - Founder & Fullstack Developer

- **Led** the end-to-end lifecycle of freelance projects: client discussions, system design, UI/UX wireframes, development, deployment, and maintenance.
- Built and deployed **Student Organization Management Systems**, serving **4,200+** active students for student organization management.
- Published **Rentall App** on Google Play Store and App Store with an international user base.
- Developed Catur Sari Pertashop Reporting System, handling **23,000+** daily data entries for fuel station management.
- Built event platforms like the ITCC Competition Website, streamlining registration, payment, and submission processes.
- Engineered real-time **Branch Monitoring Systems** using Next.js and React Query, and integrated Sentry for error tracking and Telegram Bot alerts.
- Architected and maintained cloud-hosted platforms using CPanel, optimizing performance and reliability.

Feb 2022 - Oct 2022

PT. Foxbyte Global Inovasi, Bali - Front End and Mobile Developer

- Developed iOS and Android apps from scratch using a **modular** method and **GetX Clean Architecture** in Flutter for online transportation services, offering shuttle, rental, and tour options for drivers and end-users.
- Deployed the mobile application in Microsoft App Center for easier testing and quality assurance, streamlining the development process.
- Developed a guestbook management app using **Flutter and Firebase** (Auth & Firestore) to help the company manage guests at events/exhibitions, ensuring continuous connection with clients/prospects.
- Build web credit application forms with **Vue.js** for one of the top credit banks in Bali, Indonesia.

Mar 2020 - Juli 2020

Nextap & Company, Bali - Flutter Developer

- Developed a live streaming concert and ticket payment platform using the Flutter framework
- Practiced clean architecture principles by combining **BLoC and Provider** state management in Flutter.
- Experienced in managing projects through **GitLab workflows**, including utilizing effective commit messages, merge requests, and comment reviews.

Education Level

Aug 2019 - Mar 2023

Universitas Udayana, Bali - Bachelor of Information Technology, GPA 3.95/4.00

- **Best Graduate** with a major in Information Technology.
- **Thesis**: Mobile application for medical student interns at Badung Hospital. Allowed tracking of education periods, documents, grades, quizzes, and surveys.
- Finalist and 2nd Place Winner at UI/UX Competitions (Technology Artisan Festival, Gebyar ICT).
- Presented as a speaker and lecture teaching assistant on topics including algorithms, databases, and UI/UX design.
- Created multiple systems during my involvement in the committee, such as registration and voting systems for competitions, an election system, and organizational information and assignment submission for new students.

Feb 2022 - Juli 2022

Bangkit Academy, Indonesia - Graduate Machine Learning Path, Score 88.15/100.00

- Successfully completed the TensorFlow Developer Certification.
- Trained in Python, AI/ML Concepts, Git, IT Automation.
- Learned a lot of hard skills to an expert level, soft skills, and English language skills.

Archievements

- Developed a queue management system adopted by **1,000+ BCA branches** and expanded to stakeholder services at AGM.
- Published multiple applications to Play Store and App Store, including the **Rentall App** with international reach.
- Built a reporting system for Pertashop, handling **23,000+ daily transactions** for over **3 years**.
- **Led development teams** of 2–6 developers across freelance and academic projects, ensuring successful delivery and project management.
- Successfully scaled Portal Kamkesyana to serve **4,200+ active student users** in recruitment and internal elections.

Skills & Certifications

- **Frontend:** Angular, Nuxt.js, Vue.js, React, Next.js, TailwindCSS, ShadcnUI, SCSS.
- **Mobile:** Flutter (GetX, BLoC), Android (Java).
- **Backend:** Java, Spring Boot, Laravel, REST API, Hibernate ORM.
- **Database:** MySQL, Oracle SQL, PostgreSQL, Firebase.
- **Cloud & DevOps:** Jenkins, PCF (Pivotal Cloud Foundry), OpenShift, Prometheus, Kibana, App Center.
- **Other Tools:** Git, GitLab, VS Code, IntelliJ, Android Studio, XCode, Sentry, Postman, Figma, Apache JMeter.
- **License and Certificate:** Tensorflow Developer Certificate, Frontend Developer Expert, Flutter App Fundamentals, Android App Fundamentals, Back-End App, Git Basics with Github.