

MUKHAMMAD ALFAN NURDIN

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Fullstack Software Engineer with 5 years of experience delivering end-to-end applications across web, backend, and Android platforms. Strong expertise in Android development, React-based frontend applications, and Node.js backend services. Experienced in building production-ready systems, working remotely, and managing complete project lifecycles.

PROFESSIONAL EXPERIENCE

Fullstack Software Engineer – Remote / Freelance / Project-Based

2020 – Present

- Developed and maintained end-to-end applications across frontend, backend, and Android platforms.
- Built and managed RESTful APIs supporting authentication, CRUD operations, and multipart file uploads.
- Developed Android applications using Kotlin and Jetpack Compose with MVVM architecture.
- Implemented responsive web interfaces using React.js and modern UI frameworks.
- Integrated relational and NoSQL databases and optimized queries for performance.
- Deployed and managed applications on Linux-based VPS environments.
- Worked in remote, asynchronous environments using Git-based workflows.

SELECTED PROJECTS

Disaster Reporting Application (Individuan)

- Built a fullstack disaster reporting platform including backend APIs, Android application, and web-based admin dashboard.
- Implemented user authentication, disaster reports, image uploads, comments, and likes.
- Integrated REST APIs with Android using Retrofit and with web frontend using React.js.
- Designed database schema and handled validation, access control, and security.

Maintenance Management System (TMS Admin)

- Developed an internal system for reporting and tracking machine maintenance activities.
- Built backend services for maintenance reports, status updates, and history logs.
- Implemented admin interface for monitoring and managing maintenance workflows.
- Delivered the system end-to-end from requirements to deployment.

Transportation Application (IKI ONLINE)

- Led fullstack development across backend services, Android applications, and admin dashboards.
- Served as technical lead, responsible for system architecture, development, and deployment.
- Developed Android application using Kotlin and Jetpack Compose.
- Built backend services using Node.js with MongoDB as the primary database.
- Integrated Firebase services for authentication, notifications, and real-time features.
- Implemented Redis for caching and performance optimization.

- Managed VPS infrastructure, deployment process, and server configuration.
- Coordinated end-to-end development covering mobile, backend, database, and infrastructure layers.
- Delivered production-ready systems for real-world transportation use cases.

SKILLS & OTHER

Technical Skills: JavaScript, TypeScript, Kotlin, Python, PHP, React.js, Next.js, Node.js, Express.js, REST APIs, Android (Jetpack Compose), HTML, CSS, Tailwind CSS, Material UI, PostgreSQL, MySQL, MongoDB, Firebase, Git, GitHub, Docker, Linux, Postman, VPS.

Concepts: Authentication & Authorization, API Integration, File Upload Handling, Clean Architecture, System Design, Performance Optimization, Debugging & Troubleshooting.

Additional Experience: Experience with IoT-based data processing and computer vision systems.

Work Style: Remote collaboration, async communication, Agile / Scrum workflow, technical documentation.