

Ananda Gautama Sekar Khosmana

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Summary

Information Systems undergraduate at Universitas Indonesia with full-stack development and Docker deployment experience. Lead 4 engineers at BEM Fasilkom UI, maintaining 4 web applications and 20+ repositories. Teaching Assistant for Django, Flutter, and Java courses, supporting approximately 60 students per course.

Education

Universitas Indonesia

2024 - Present

Bachelor of Computer in Information Systems, Faculty of Computer Science
GPA: 3.78/4.00

Experience

Teaching Assistant, Platform-Based Programming (Django & Flutter)

Universitas Indonesia, Faculty of Computer Science

Jul 2026 - Present

- Supervise Django and Flutter labs for approximately 60 students, help debug applications, assess assignments, and provide feedback on correctness and code quality.

Deputy

BEM Fasilkom UI, Business and Partnership Bureau

May 2026 - Present

- Lead and mentor 4 engineers; maintain 20+ repositories and 4 applications used by BEM staff or students: the main website, Best Staff, Issue Tracker, and iMaba.
- Deployed all 4 applications to a Fasilkom VM using Docker Compose; configured environment variables, proxy routing, databases, and HTTPS.
- Translate internal and external client requirements into features, guide implementation, and oversee project delivery.

Staff

PPMB KMBUI, IT Development Division

May 2026 - Jun 2026

- Built responsive pages for event information, Kalyanamitta peer connections, and FOSSIB orientation assignment submissions.

Expert Staff, Software Engineer

COMPFEST, IT Development Division

Mar 2026 - Sep 2026

- Built full-stack leaderboard and spin wheel features with React, TypeScript, NestJS, and PostgreSQL; adapted legacy score-calculation logic to Clean Architecture.
- Built a mobile-only scanner for booth-specific QR codes that recorded scans and added points to users' accounts during the main event.

Teaching Assistant, Programming Foundations 2 (Java)

Universitas Indonesia, Faculty of Computer Science

Jan 2026 - Jun 2026

- Guided approximately 60 students through Java practicums on object-oriented programming, data structures, and software design; helped debug code, assessed assignments, and provided implementation feedback.

Staff

DDP0, IT Development Division

Jun 2025 - Sep 2025

- Built the program landing page to present program information and maintained the dashboard supporting program operations.

Software Engineer Staff

COMPFEST, IT Development Division

Apr 2025 - Sep 2025

- Translated event requirements into responsive Academy and Competition landing pages and a Main Event registration flow for participants.

Projects

LANSIAP

Full Stack Engineer | GEMASTIK XIX 2026

Jul 2026 - Present

- Develop an Android app with Kotlin and Jetpack Compose for sensor monitoring, fall detection, and long-lie monitoring, plus Next.js and Android caregiver interfaces for incident history, alert responses, and safe-status confirmation.
- Implemented Room persistence, state recovery, and offline event synchronization with deduplicated retries; built

a TypeScript, Hono, and PostgreSQL REST API with role-based access, device ownership checks, and caregiver assignment restrictions.

- Integrated an INT8 TensorFlow Lite model for on-device inference in an internal validation build with staged emergency escalation; validated account lifecycle, monitoring shutdown on logout, and small-screen layouts with enlarged fonts through 84 JVM unit tests and 10 emulator tests.

MataKota

Full Stack Engineer | Garuda Hacks 7.0

Jul 2026

- Owned frontend, backend, and database development for a public safety demo covering incident monitoring, geospatial crime-risk analysis, evidence management, personnel coordination, and AI-assisted intelligence.
- Built the application with Next.js, TypeScript, tRPC, FastAPI, Prisma, and PostgreSQL/PostGIS; integrated AI models according to API contracts and deployed the demo.

florisce.id

Full Stack Engineer | Bakti Champions Movement

Jun 2026

- Built Florisce Floristry's Next.js and TypeScript storefront and admin dashboard, with a catalog, flower, quantity, and size options, cart, delivery details, and checkout; the shop uses the platform to receive customer orders.
- Integrated DOKU payments and webhooks to update payment status automatically; implemented PostgreSQL data access with Prisma and authentication with NextAuth.js.

Rantai Skena

Full Stack Engineer | BudayaGO! 2025

Nov 2025

- Built responsive Next.js and React interfaces and conversational features for an Indonesian independent music community.
- Built Hono services with Drizzle ORM and PostgreSQL for data access and Better Auth for authentication; shared database and authentication packages across a Turborepo monorepo.

Ijtihad

Full Stack Engineer | GEMASTIK XVIII 2025

Aug 2025

- Integrated Google Gemini for AI-assisted halal detection, gharar and maysir assessment, and contextual answers grounded in Islamic references.
- Built the web interface with Next.js and Tailwind CSS and backend services with FastAPI, PostgreSQL, Redis, and Firebase.

Technical Skills

Programming Languages: Java, Kotlin, TypeScript, JavaScript, Python, Dart, SQL

Frontend & Mobile: React, Next.js, React Router, Tailwind CSS, shadcn/ui, Flutter, Jetpack Compose

Backend: Node.js, NestJS, Hono, Express.js, Django, FastAPI, tRPC, REST APIs

Databases & ORMs: PostgreSQL, Redis, PostGIS, Room, Prisma ORM, Drizzle ORM

DevOps & Tools: Docker, Docker Compose, Git, GitHub Actions, Continuous Integration and Continuous Delivery (CI/CD), Linux, Swagger/OpenAPI

Artificial Intelligence: TensorFlow Lite, Google Gemini, Retrieval-Augmented Generation (RAG), Vector Retrieval, Prompt Engineering

Awards

Top 20%, Garuda Hacks 7.0

Jul 2026

Garuda Hacks (International): team ranked in the top 20% of 159 submissions from 608 participants.

Bakti BCA Scholarship Awardee

Jan 2026

PT Bank Central Asia Tbk (National); participated in the Bakti Champions Movement.

Top 50, BudayaGO! 2025

Nov 2025

Ministry of Culture of the Republic of Indonesia (National): team placed in the Top 50 of 627 teams in the preliminary stage of the Indonesian Cultural Digital Innovation Competition.

Certifications and Training

Software Engineering, RevoU

Languages

Indonesian, English