Rizky Mirzaviandy Priambodo

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Professional Summary

Full Stack Developer, Android Developer, Systems Engineer, and Open Source Contributor with experience building database-backed web applications, Android TV applications, Linux system tools, and production-oriented desktop software. Strongest programming languages include TypeScript, Python, Rust, Kotlin, and C++. I also work with machine learning tooling for experimentation, evaluation, and applied product use cases.

Technical Skills

- Languages: TypeScript, Python, Rust, Kotlin, C++, JavaScript, Bash
- Frameworks and Libraries: React, WXT, Radix UI, Expo, Jetpack Compose, GTK4, libadwaita, PyTorch, scikit-learn, pandas, NumPy, Jupyter
- Databases and Backend: PostgreSQL, Supabase, database-backed form handling, RLS-aware application workflows
- Platforms and Tools: Linux, Arch Linux, GNOME Wayland, Git, Btrfs, pkexec, supergfxctl, sysfs, hyprctl
- Core Strengths: Full stack development, Android development, Linux systems engineering, open source contribution, technical debugging, machine learning experimentation

Professional Experience

Full Stack Developer | Freelance via Upwork | 2024 - Now

- Built a wedding RSVP web application for a client with a form connected to a database
- Delivered the full workflow from frontend UI to backend integration and response storage
- Focused on reliable submission handling and practical client delivery

Android Developer | Freelance via Upwork | 2024 - Now

- Built the Masjid Display APK for a client as an Android TV application for mosque displays
- Implemented prayer countdown, Hijri calendar, treasury-oriented display workflows, and sound notification functionality
- Optimized the interface for readability at 5 to 10 meter viewing distance

Open Source Experience

Contributor | bat | https://github.com/sharkdp/bat

- Submitted 6 pull requests in one week and got 3 merged within 24 hours

- Added the --fallback-syntax feature for undetected file types
- Fixed a 4-year-old symlink detection bug tracked as issue #1001
- Resolved a config directory duplication issue and included tests plus documentation updates

Selected Projects

LuhutOS

- Built an Arch-based Linux distribution with GNOME Wayland, automatic GPU detection, and curated defaults
- Implemented an 8-step TUI installer on top of archinstall
- Shipped 14 custom packages plus supporting tools including luhutctl and luhut-menu
- Stack: Python, Bash, PKGBUILD

TuxTuner

- Built a GTK4 control center for ASUS gaming laptops with GPU mode switching, CPU thread limiting, and refresh rate control
- Integrated supergfxctl, sysfs, hyprctl, and loginctl into a native Wayland utility
- Published the application on the AUR
- Stack: Rust, GTK4, libadwaita

Nimbus

- Built a browser agent for Chrome and Firefox with natural language control
- Supported Gemini, OpenAI, and Anthropic providers in a safety-first Plan-Approve-Execute workflow
- Implemented Level 3 CDP automation in a production-style browser tooling project
- Stack: TypeScript, React, WXT, Radix UI

FreshTrack

- Built an Android food inventory application with barcode scanning, batch tracking, and expiry notifications
- Integrated Supabase sync with RLS protection
- Stack: TypeScript, Expo, Supabase

Education

BINUS University

Computer Science

Awards and Achievements

- Top 10 finalist, HackVidia Arkavidia 10.0
- Open source contributor to a 50K+ star project ecosystem through work on bat