

# ARDI

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IT generalist and full-stack developer with 4+ years of hands-on experience, from 24/7 hardware operations to building production web applications. Most recently the sole IT staff at a rural bank in Batam, responsible for the network, endpoints, file server and information security documentation, while building and deploying the bank's HR attendance system and public website. Works across the stack with Laravel, FastAPI, Next.js and Supabase, and across infrastructure with network mapping, server auditing and hardware repair. Trilingual communicator: Indonesian, Mandarin and English.

## WORK EXPERIENCE

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### IT, PT BPR Pundi Masyarakat, Batam

Apr 2026 - Oct 2026

- Sole IT staff for a rural bank: network, 22 workstations, file server, user support and in-house software development
- Built and deployed an HR attendance and leave system now used by all 33 employees, replacing manual fingerprint recaps and saving HR hours of manual work every payroll cycle
- Built and launched the bank's public website, [bprpundi.co.id](https://bprpundi.co.id), replacing a legacy WordPress site
- Audited the file server (2.96 million files, approx. 5.4 TB) and reported data-protection and access-control risks to the Board of Directors
- Designed the access-control remediation: permission matrix for 37 accounts, cutover runbook and rollback baseline; executed the first phase on the live server
- Audited the 22-unit PC fleet with custom PowerShell and Python (pandas) tooling; identified 12 end-of-life Windows 10 units and delivered a costed 3-year replacement plan to the Board
- Mapped the full office network with Nmap, Wireshark and SNMP: IP plan, VLANs, routing and the topology of the core banking and file servers, delivered as draw.io diagrams, a structured inventory and a VLAN plan
- Prepared the bank's information security management system (ISMS/SMKI) documentation reported to Perbarindo: 11 SOPs covering asset management, risk, incident handling, user access control, business continuity and e-KTP personal-data protection, plus forms, audit checklist and policy letters
- Prepared and submitted the bank's semester reports
- Automated monthly salary slip generation for all employees with Python, from payroll spreadsheet to per-employee slips, packaged as a standalone tool for HR

### IT Operations Technician, Cryptocurrency Mining Facility

Aug 2021 - Aug 2025

- Managed and maintained 23 ASIC-based mining farm units ensuring 24/7 operational uptime across multiple facility sites
- Diagnosed and repaired hardware and software faults on-site as part of a 5-person technician team
- Built and configured network infrastructure from scratch: switches, Wi-Fi, cabling and device connectivity
- Implemented remote monitoring tools and CCTV integration for continuous system supervision
- Led hardware migration from legacy to modern systems, from planning and setup through configuration and deployment of hundreds of mining devices
- Trained team members on hardware repair techniques and coordinated scheduled maintenance across sites to minimize downtime

## PROJECTS

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### **HR Attendance and Leave System, PT BPR Pundi Masyarakat**

- Web application live on the office server, used by all 33 employees and the HR department
- Polls a ZKTeco fingerprint terminal and turns scans into payroll-ready attendance recaps with Excel export
- Leave-approval workflow across 7 roles with working-day quota rules, holiday calendar, security-guard shift scheduling and audited attendance corrections
- Runs on a LAN server with no internet access: installs offline from bundled dependencies, applies database migrations on startup and runs scheduled backups
- **Technologies:** Python, FastAPI, SQLAlchemy, SQLite, Jinja2, HTMX, APScheduler, ZKTeco

### **bprpundi.co.id, Bank Public Website**

- Designed and built solo as a full rebuild of the legacy WordPress site; live in production
- Credit-simulation calculator, 6 product pages, public financial reports, careers and collateral-auction listings
- Admin panel for all content and form inboxes, including consumer-complaint and whistleblowing channels
- Hand-written CSS design system, 301 redirects from old URLs, PHPUnit tests; deployed behind Cloudflare
- **Technologies:** PHP 8.3, Laravel 13, Filament 4, Blade, Alpine.js, Vite, MariaDB, Cloudflare

### **Aponk Red, Arowana Store POS and Inventory System**

- Point-of-sale and stock management app in daily use at a family-run arowana fish store
- Installable progressive web app (PWA) for Android and iOS; offline-first, with cash sales queued in IndexedDB and synced on reconnect
- Per-fish inventory (ID, tank, size, photo), product variants, end-of-day cash reconciliation, sales and stock reports
- Multi-device access: each phone or tablet is registered once with a hashed store access code
- **Technologies:** Next.js 16, React 19, TypeScript, Supabase, Tailwind CSS, IndexedDB, Vercel

### **Utang Grup, Shared Expense and Debt Tracker**

- Mobile web app in active use by a 6-person group to track shared bills and debts
- Equal or custom bill splitting, direct debts, settlement tracking and debt simplification that suggests the fewest transfers to settle everyone
- Receipt photo attachments, editable transaction history and an activity log of who changed what
- All tables locked with row-level security; data reachable only through PIN-checked database functions; automated tests against an in-memory PostgreSQL
- **Technologies:** JavaScript, HTML, CSS, Supabase (PostgreSQL, RLS), PGLite, Node.js, Vercel

### **University Projects, Universitas Putera Batam**

- Elegant Resto: restaurant reservation system with admin dashboard to add, edit and update reservation status
- Kost Fajar 888: boarding-house room rental system with user and admin portals and Midtrans online payment
- **Technologies:** PHP, MySQL, HTML, CSS, JavaScript

### **Vibescreen, Android Dashboard for Claude Code**

- Turns a spare Android phone into an always-on desk display for AI coding-agent usage: quota, burn-rate forecast and live session status
- Local-only connection to a Python service on the host over USB (adb reverse) or Bluetooth; read-only, nothing exposed to the network
- **Technologies:** Kotlin, Jetpack Compose, Android SDK, Python, PowerShell

## EDUCATION

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Universitas Putera Batam

Aug 2022 - Expected 2027

Bachelor's Degree in Computer Science (In Progress, thesis stage)

## LANGUAGES

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- **Indonesian:** Native Proficiency (oral and written)
- **Chinese (Mandarin):** Native Proficiency (oral)
- **English:** Intermediate Proficiency (oral and written)

## SKILL-SET

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- **Full-Stack Development:** PHP (Laravel, Filament), Python (FastAPI, SQLAlchemy, pandas), TypeScript and JavaScript (Next.js, React, Alpine.js, HTMX), Kotlin (Jetpack Compose), C#, HTML, CSS, Tailwind CSS, PWA
- **Databases and Cloud:** SQL, PostgreSQL, Supabase, MariaDB, MySQL, SQLite, Vercel, Cloudflare, Git
- **Infrastructure and Operations:** Network troubleshooting, VLAN and topology planning, file-server administration, NTFS/ACL permissions, Windows and Linux administration, KVM/libvirt virtualization, Docker, PowerShell scripting, hardware repair, remote monitoring, CCTV integration, user support
- **Security and Governance:** Network mapping (Nmap, Wireshark, SNMP), file-server security audit, access-control design, PC fleet audit and lifecycle planning, ISMS/SMKI policy and SOP writing
- **Soft Skills:** Communication, problem-solving, teamwork, user training, time management, reporting to management
- **Certifications:** Network Defense Essentials (NDE) by EC-Council, FreeCodeCamp Responsive Web Design, Foundational C# with Microsoft, Google IT Support (pursuing)