I PUTU YOGA PERMANA

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Senior Full-Stack Engineer with 10+ years of experience building and scaling production systems across SaaS, fintech, and consumer applications serving hundreds of thousands of users. Specializing in backend systems, database performance optimization, asynchronous processing, third-party integrations, and end-to-end product engineering.

TECHNICAL SKILLS

- **Languages:** TypeScript, Python, JavaScript, C#, SQL, PHP, HTML, CSS
- **Backend:** Django, Django REST Framework, Node.js, Celery, RabbitMQ, Express.js, ASP.NET
- **Frontend / Mobile:** Vue.js, React.js, Nuxt, Tailwind CSS, Next.js, React Native, Expo
- **Data / Search:** PostgreSQL, ClickHouse, Elasticsearch, MongoDB, Redis
- **Infrastructure:** AWS (EC2, RDS, S3, SES, SNS, CloudFront, Elastic Beanstalk), Docker, Cloudflare, Linux, Nginx, CI/CD
- **API / Integrations:** REST, GraphQL, Webhooks, OAuth 2.0, Stripe, PayPal, LinkedIn, TikTok, Facebook, WordPress
- **Applied AI**: Amazon Bedrock, Gemini, OpenRouter, LLM integration, structured data extraction, Codex, MCP
- **Tooling / Observability:** Git, GitHub Actions, CloudWatch, RDS Performance Insight, Mezmo, Metabase

PROFESSIONAL EXPERIENCE

Privyr **Jan 2025 – Present**
Senior Full-Stack Engineer Singapore

- Diagnosed production database bottlenecks using AWS CloudWatch and RDS Performance Insights, reducing PostgreSQL query latency from **50 seconds to under 100 ms** and halving database Average Active Sessions.
- Reduced API latency **by 95%** by migrating complex relational queries to Elasticsearch.
- Built an LLM-powered task extraction pipeline processing thousands of WhatsApp contacts daily.
- Redesigned Celery task orchestration with dedicated queues and concurrency limits to isolate resource-intensive AI workloads.
- Collaborated directly with Meta to develop and launch its Conversions API integration.
- Mitigated production DDoS traffic using Cloudflare firewall policies and rate limiting while maintaining service availability.

Full-Stack Engineer **Aug 2022 – Dec 2024**

- Built and maintained 10+ core integrations serving hundreds of thousands of SMBs, including Facebook Lead Ads, TikTok Lead Gen Ads, LinkedIn Lead Ads, ClickFunnels, WordPress, and Webhook API.
- Delivered end-to-end payment workflows integrating PayPal and UPI.
- Designed and implemented an event-driven email lead capture pipeline using AWS SES, SNS, S3, Celery, and LLM-based data extraction, processing thousands of leads daily.
- Developed a WordPress plugin with automated CI/CD deployment to the official WordPress repository.

Inbound Platform, Inc. **Feb 2020 – Jun 2022**
Software Engineer Tokyo, Japan

- Led two engineers in modernizing and decoupling the frontend of a legacy vehicle rental platform.
- Architected and led a team of 4 to deliver a foreigner-friendly apartment platform with sub-100ms load times through page caching, web bundle optimisation, and image compression.

Fast Japan, Inc. *(Acquired by Inbound Platform, Inc.)* **Sep 2018 – Jan 2020**
Lead App Developer Tokyo, Japan

- Led end-to-end development of Tabiko, a concierge messaging app and its operational web platform, increasing app session per user by 20% and reducing response times by over 80%.
- Improved engineering workflow by introducing code review standards, unit testing, CI/CD pipelines, and automated linting/formatting, resulting in faster and more consistent delivery.

PT. Mitrais **Jun 2016 – Sep 2018**
Software Engineer Bali, Indonesia

- Jenius 2.0 App, contributed to one of Indonesia's largest digital banking apps (millions of users), built on a single React Native codebase for Android, iOS, and Web. Fixed **severe performance** issues affecting low-end Android devices, improved overall usability, and built internal libraries that accelerated testing and debugging.
- CRM Construction System, handled full-stack development as part of an offshore team, delivering features under **aggressive deadlines**.

SELECTED CONSULTING PROJECTS

OMY, Inc. / Tokyo, Japan **2021 – 2022**
Developed a digital fire safety equipment inspection platform using Expo, Next.js, and Firebase, reducing manual work by up to 80%. Automated multi-page inspection reporting using Puppeteer.

Kimura Shoken, Inc. / Tokyo, Japan **2022**
Redesigned key pages of a truck-sharing platform, reducing bounce rate by 24% and increasing average organic session duration fivefold.

DIP, Inc. / Tokyo, Japan **2021 – 2022**
Developed a real-time food ordering prototype with LINE messaging integration and established the initial foundation of an enterprise SaaS product.

SELECTED ACHIEVEMENTS

- **1st Place — BCA Finhacks 2017:** Built BCA QuickTap, winning over thousands of participants nationwide.
- **3rd Place — Jenius Hackathon 2017:** Reinvent banking experience by delivering a gamified banking prototype.
- **1st Place — IslamICT Award 2014:** Built Hidayah, a full-featured prayer app with clean UX.
- **Finalist — UI Indie Game Ignite 2014:** Created Capsule Adventure using Unity3D on Android & Windows Phone.

EDUCATION

Brawijaya University **2011 – 2015**
B.Sc. in Informatics Engineering Malang, Indonesia

- Microsoft Student Partner; wrote technical community posts, delivered technical workshops and seminars.
- Independently developed and published mobile applications accumulating over 100,000 downloads. Led Raion Community, a student technology community focused on game and mobile application development.