

# Paskalouis Patressi

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## PERSONAL PROFILE

- 8+ years of experience in software engineering development, with a strong focus on delivering high-quality projects, maintaining technical excellence, and fostering sustainable engineering practices.
- 4+ years of experience in software engineering leadership, mentoring and growing talent, driving impactful business outcomes, and implementing robust development processes.
- A hands-on leader who actively contributes to codebases, understands technical challenges, and collaborates with teams to deliver scalable and efficient solutions.
- Skilled in modern architectures like microservices and scalable systems, leveraging Kubernetes, WAF (Cloudflare), and cloud platforms (Google Cloud Platform, Microsoft Azure, Digital Ocean).
- Proficient in frontend frameworks (ReactJS, VueJS, NextJS), backend development (NodeJS, Go), and database (MySQL, PostgreSQL, Redis).
- Experienced in CI/CD pipelines, monitoring and alerting tools (Datadog, Grafana), and API development (REST).
- Extensive experience in hybrid and remote working environments, maintaining productivity and alignment through effective communication tools and strategies.
- Strong written and verbal communication skills in English, enabling seamless collaboration across diverse teams.

## PROFESSIONAL WORK EXPERIENCE

**Bukalapak**  
**Engineering Manager | Lapakgaming International and Payment Team**

**Hybrid | Indonesia**  
**Jan 2024 – Present**

*Bukalapak is a leading e-commerce platform in Indonesia, managing millions of transactions across a diverse range of products. With over 1,000 employees, the company is publicly listed on the Indonesia Stock Exchange (IHSG). As a Group, it operates its subsidiaries and comprises teams across Indonesia, Singapore, and Australia.*

*Lapakgaming is a subsidiary of Bukalapak specializing in the sale of game currencies and vouchers. It caters to both B2C and B2B market. With a team of over 100 members, Lapakgaming focuses on delivering high-quality services and experiences to users while driving significant revenue growth for the business.*

- Led International and Payment team consisting of 4-7 engineers for Lapakgaming global expansion and payment system.
- Championed the development of cross-functional team capabilities and led efforts to ensure international product scalability.
- Achieved 50% international market share of GMV, driving total GMV growth by 80% and reaching \$30.000.000++
- Led technical strategy and team development to drive successful market internationalization, enabling the expansion into 8 overseas markets.
- Orchestrated payment integration with team across 8 countries, enabling market penetration
- Played key role in achieving ISO 27001 certification through:
  - Socialize to install endpoint protection and security awareness programs
  - Establishing least privilege access controls for databases and admin roles
  - Developing and standardizing secure deployment SOPs

- Coordinating compliance requirements and evidence collection
- Leading cloud migration initiative from Digital Ocean to Google Cloud Platform:
  - Managing vendor relationships and deliverables
  - Defining technical requirements and success criteria
  - Ensuring alignment between business needs and migration outcomes
  - Overseeing migration strategy and implementation

Tech Stack: NextJS/ReactJS, Golang, PHP, Digital Ocean, Google Cloud Platform, Ansible, Jenkins, Kubernetes, ArgoCD, Datadog, Prometheus, Grafana, Cloudflare (WAF), MySQL, Redis, Microservices

**Bukalapak**  
**Engineering Manager | Midas Team**

**Hybrid | Indonesia**  
**July 2023 - December 2024**

*The Midas team operates within Buka Incubator, a subsidiary of Bukalapak dedicated to developing non-marketplace products. Midas focuses on implementing gamification across the BUKA Group, ensuring seamless integration, beginning with the Playmimi project..*

- Led a team of 5 engineers to rapidly bootstrap and deliver blockchain-based projects, including KachingNFT, Shoopon, and PlayMimi. Successfully developed and launched Shoopon and PlayMimi within 3 months, showcasing agility and effective team management in fast-paced environments.
- Reduced cloud costs by 52% in Q4 2022 through optimization initiatives
- Successfully mentored and promoted two engineers to the next career levels, fostering their professional growth and enabling them to achieve outstanding product deliveries with exceptional quality.
- Led the company-wide Fullstack Acceleration Program (TFAP), overseeing onboarding, skill development, and fostering a growth-oriented culture. Successfully guided 3 out of 4 participants to graduate, equipping them with enhanced fullstack engineering competencies and integrating them into key company projects.

Tech Stack: NuxtJS/VueJS, Golang, Microsoft Azure, Gitlab CI, Kubernetes, ArgoCD, Datadog, Blockchain EVM Layer 2, Solidity (Smart Contract), MySQL, Redis, Microservices

**Bukalapak**  
**Engineering Manager | Virtual Product and Prakerja Team**

**Remote | Indonesia**  
**Sep 2020 – June 2022**

*The Virtual Product and Prakerja team manages various VP products, including gift vouchers, event tickets, travel tickets, and Prakerja. A notable achievement is the Prakerja initiative, where we collaborated with the PMO and government as a Digital Partner. This program played a key role in distributing Prakerja benefits to individuals impacted by COVID-19 in 2020-2023*

- Led a team of 10 engineers, focusing on Virtual Products and Prakerja team, with dozens of Microservices and Microfrontends
- Achieved zero incidents in 2022 for Prakerja Services through robust monitoring and alerting systems, enabling \$5 million++ in revenue generation.
- Leveraged engineers' career development, technical excellence, and sustainable work practices
- Maintained high service availability (SLA), significantly contributing to Bukalapak's revenue stream
- Established and implemented key engineering initiatives including Mentoring, Pair Programming, and Fullstack Learning programs
- Collaborated with cross-functional teams to align quarterly OKRs with company objectives
- Documented and standardized the Engineering Hiring Process across Bukalapak, establishing a framework specifically tailored for engineering hiring managers to implement company-wide.

Tech Stack: NuxtJS/VueJS, Golang, Ruby on Rails, Google Cloud Platform, Gitlab CI, Kubernetes, Datadog, MySQL, Redis, Microservices

**Bukalapak**  
**Software Engineer, Frontend | Virtual Product Team**

**Hybrid | Indonesia**  
**Feb 2019 – Sep 2020**

*The Virtual Product team manages a diverse portfolio of Postpaid products, including mobile phone top-ups, electricity bill payments, and credit card applications. These services necessitate seamless integration with multiple partners, supported by robust practices like circuit breakers, comprehensive alerting systems, and monitoring to ensure reliability. The team handles over hundreds of thousands of transactions, generating GMV exceeding hundreds of thousands of dollars.*

- Architected and implemented responsive frontend solutions using Vue.js within a MicroFrontends architecture
- Led the successful migration from a monolithic architecture to Microfrontends, significantly enhancing system decoupling and boosting team development velocity.
- Reduced JS bundle size by 40% through implementation of lazy loading and code splitting in Microfrontends.
- Championed Test-Driven Development (TDD) practices, achieving over 90% unit test coverage across my team's Microfrontends repositories using Jest
- Served as Scrum Master, facilitating Agile ceremonies and ensuring team alignment with sprint goals
- Collaborated cross-functionally with product teams and stakeholders to gather requirements and translate business needs into technical solutions

Tech Stack: NuxtJS/VueJS, Ruby on Rails, Google Cloud Platform, Gitlab CI, Kubernetes, Datadog, Microfrontends, Microservices

**W3O Indo Scientia**  
**Senior Fullstack Developer**

**On-Site | Indonesia**  
**Aug 2015 – Jan 2019**

*W3O is a Software House based in Singapore, handling clients across Singapore, Malaysia, and Brunei Darussalam.*

- Led full-stack development using EmberJS for frontend and SailsJS (Node.js) for backend services
- Developed an in-house app-builder tool to accelerate project delivery, enabling the creation of full CRUD applications within 2-3 days for new clients, significantly streamlining development workflows.

Tech Stack: EmberJS SailsJS (Nodejs)

## **TEAM LEADERSHIP**

- Management Skills: Cross-functional Teamwork, Product Management, Stakeholder Management, Engineering Competencies Growth, Situational Leadership
- Remote Collaboration Tool: GSuite, JIRA, Slack, Confluence, Google Chat

## **TECHNICAL SKILLS**

- Architecture: Microservices, Scalable Systems, Performance Optimization, Kubernetes, Terraform, Cloudflare / WAF
- Cloud Platforms: Google Cloud Platform, Microsoft Azure, Digital Ocean
- Frontend: VueJS, NuxtJS, ReactJS, NextJS, Webpack, Tailwind CSS, Core Web Vitals
- Backend: NodeJS, Go, Ruby on Rails, PHP, RabbitMQ, Kafka

- CI/CD: Gitlab CI/CD, Jenkins, Ansible
- Databases: MySQL, PostgreSQL, NoSQL, Redis and database optimization
- Monitoring and Alerting: Datadog, Grafana, Opsgenie, Pagerduty
- API Development: REST, gRPC

## EDUCATION

Bachelor's degree, Computer Science, Binus University

Indonesia

## LANGUAGES

- English : Fluent
- Bahasa Indonesia : Native