

# Mochamad Lutfi Fadlan

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## PROFESSIONAL SUMMARY

Engineering Manager, Technical Lead, and Senior Software Engineer with 8+ years building and scaling complex applications across startup stages from pre-seed to unicorn. Led teams of up to 20+ engineers, delivering reliable, high-uptime products handling millions of monthly transactions. Skilled in backend and full-stack development, cloud infrastructure, and agile methodologies. Passionate about leveraging AI to boost productivity and experienced in rapidly building MVPs to validate ideas.

## CORE COMPETENCIES

- **Languages:** JavaScript, TypeScript, Node.js, Java, Go, Python, Ruby
- **Backend:** REST API, GraphQL, Spring Boot, gRPC, RabbitMQ, Kafka, Selenium
- **Frontend:** React, Next.js, Tailwind CSS, HTML, CSS, NextAuth
- **Database/Storage:** MongoDB, PostgreSQL, MySQL, AWS DynamoDB, Redis, Supabase
- **Cloud/Infrastructure:** Amazon Web Services (AWS), Google Cloud Platform (GCP), Docker, Kubernetes, Serverless Stack, Vercel
- **Monitoring/DevOps:** Datadog, Splunk, LogDNA, Sentry, Grafana, Kibana, Elastic Search, PagerDuty
- **Project Management:** Agile methodologies, JIRA, Confluence, GitHub, Bitbucket
- **AI Technologies:** OpenAI API, OpenRouter, Whisper
- **Payment Processing:** Xendit, Lemonsqueezy

## RELEVANT EXPERIENCE

### Software Engineer - Summit (Singapore)

**Nov 2024 - Mar 2025 (5 months) | Part-time, Remote**

*Summit Global specializes in AI-driven spend management solutions for global finance teams.*

- Migrated payment processing from synchronous to asynchronous flow using Redis queue
- Implemented SQS queue with backoff-retry mechanism for handling Nium auth issues and webhook processing
- Integrated endpoints with unified API platform (merge.dev) to create new accounting experience
- Technologies: Go, MySQL, Docker, gRPC, AWS, Redis, Kafka

### Founder and CTO - Lutfifadlan (Tangerang, Indonesia)

**Aug 2024 - Nov 2024 (4 months) | Full-time, Remote**

*Independently developed web applications showcasing full-stack development and project management skills.*

- Developed "Last Working Day": AI-powered tool for generating personalized farewell messages (\$3 USD revenue)
- Created "Let's Focus": Modern to-do list application helping users prioritize important tasks
- Built "Unsubscribe All": Tool for managing email subscriptions across multiple mailing lists
- Developed "Goldofolio": Web app for tracking Antam gold prices and portfolio performance
- Technologies: React, Tailwind, Next.js, TypeScript, MongoDB, Supabase, NextAuth, Vercel, Sentry, OpenAI, OpenRouter, Whisper, Lemonsqueezy, Xendit, Plunk, Google Analytics, Umami, Seline

### Engineering Manager - Vida (Jakarta, Indonesia)

**Jan 2023 - Sep 2024 (1 year, 9 months) | Full-time, Hybrid**

*VIDA provides secure digital identity verification, authenticating identities with the National Identity Database.*

- Led digital signature teams handling 1M+ monthly transactions with 99%+ uptime, driving 20% of company revenue
- Managed and maintained 9+ digital signature products—Sign Inline, Sign Inline PoA (Power of Attorney), CSC (Cloud Signature Consortium), Vida Web/Mobile, eMeterai API/Desktop, eSeal, Sign iFrame—ensure optimal functionality and stability
- Proposed and aligned 5+ quarterly technical roadmap items with engineering leadership and product management
- Collaborated with CTO on quarterly capacity planning to secure resources aligned with team roadmaps and deliverables
- Orchestrated Kubernetes migration for 5+ services across 3 environments with minimal downtime, removing manual deployments
- Led technical planning and integrated Sign Inline, Sign Inline PoA, and CSC with centralized billing system via Kafka and Lago
- Contributed to Vida Sign Open API MVP by updating authorization flow allowing client to access document signing workflow APIs
- Implemented back-off retry for Sign Inline and PoA transactions, reducing failure rates and improving product's reliability
- Led incubation projects including Vida Web/Mobile MVP, Indonesia notary election system, and major bank credit cards PoC
- Created 10+ SOPs and resolved 100+ production tickets, becoming a digital signature domain expert within the company
- Led and mentor 13+ engineers; led scrum ceremonies including sprint planning, retrospectives, grooming, and technical planning
- Delivered bi-weekly Sprint Reviews to VP of Engineering and CTO, summarizing progress, key achievements, and challenges
- Served as Certificate Authority Admin on Trusted Committee, conducting 3+ key ceremonies critical for audits and major projects
- Reviewed 50+ code changes and 10+ technical documentations from team members to ensure quality and consistency
- Technologies: Java, Spring Boot, Datadog, Bitbucket, Jenkins, ArgoCD, Kafka

### Staff Software Engineer - Cashboard (New York, USA)

**Feb 2022 - Nov 2022 (10 months) | Full-time, Remote**

*Cashboard serves as an analytics platform for finance teams, integrating data from multiple systems.*

- Led end-to-end Hotglue integration to ingest and process 1M+ transactions per job from accounting providers such as Netsuite
- Implemented backend and infrastructure using Serverless Stack to automate data ingestion and transformation
- Built database integration and GraphQL API for frontend access to normalized accounting data
- Developed a QuickBooks parser and a playground UI to test and validate structured data retrieval via the QuickBooks API
- Designed an event-driven pipeline to orchestrate Hotglue jobs, process CSVs from S3, insert formatted records into DynamoDB
- Technologies: Node.js, TypeScript, React, Next.js, AWS Lambda, AWS DynamoDB, Serverless Stack, GraphQL, Git Actions

### **Engineering Manager (Remote) - Xendit (Jakarta, Indonesia)**

**Jan 2021 - Jan 2022 (1 year) | Full-time, Remote**

- Managed payments team delivering Virtual Account and Retail Outlet solutions processing 2M+ monthly transactions
- Aligned 25+ roadmap items with company priorities and team goals in collaboration with PM, CTO, CPO, and CEO
- Mentored and developed 2 Tech Leads to take over my previous responsibilities, enabling them to lead teams independently
- Managed 13 direct reports, driving performance through 1:1s, personalized growth plans, and feedback based on level outcomes
- Owned biannual resourcing and capacity planning to ensure enough engineering bandwidth for roadmap delivery
- Led team performance reviews, provided level-based feedback for 8+ engineers, and aligned results with the CTO
- Promoted 1 Senior Engineer to Staff, 1 Intermediate to Tech Lead, and 1 Junior to Intermediate; hired 2+ Intermediate Engineers
- Proposed talent development initiatives targeting skill gaps by level and hosted 5+ training sessions for the entire engineering org
- Contributed to 3+ monthly engineering newsletters, highlighting team wins, learnings, and recognizing high-impact contributors
- Responsible for monthly Business Area Review for Virtual Account and Retail Outlet products, providing monthly engineering success metrics, highlights/lowlights of engineering executions of the team, and collaborated with CTO to address major issues
- Drove technical direction by proposing 10+ key technical roadmap items and aligning with the Principal Engineer on strategy

### **Senior Technical Lead (Remote for 9 months) - Xendit (Jakarta, Indonesia)**

**Jul 2019 - Dec 2020 (1 year, 6 months) | Full-time, On-site**

- Led and managed payments team delivering Virtual Account and Retail Outlet solutions processing 1M+ monthly transactions
- Acted as engineering manager, conducting performance evaluations and writing level outcomes feedback for 6+ engineers
- Successfully hired 10+ software engineers after conducting 30+ interviews across full-time, contract, and part-time positions
- Worked with 3+ senior engineers to implement VA backend re-architecture enhancing reliability, scalability, and maintainability
- Pioneered Agile Pods methodology within the team, which was subsequently adopted company-wide across the engineering org
- Grew and restructured team from 5 to 20+ members (staff to junior) into 3 specialized sub-teams while providing mentorship
- Implemented end-to-end observability with Datadog, PagerDuty, and Slack—reducing detection time to <30 minutes and tracking 10+ key metrics including latency, requests per second, service uptime, transaction success/failure rates, and anomaly detections
- Led 15+ incident responses and post-mortems following established frameworks, achieving >80% action item resolution rate
- Boosted reliability with automated payment reconciliation, auto-recovery for 5+ payment failures, backoff-retries for third-party errors, queuing RabbitMQ messages during provider outages, and automated status page updates—cutting manual ops by 70%
- Led migration of 5+ critical services to AWS EKS (Kubernetes), improving reliability and deployments while reducing cloud costs
- Integrated 5+ new payment channels, partnering closely with stakeholders throughout integration, UAT, and production release.
- Eliminated 3+ manual deployment services interacting with the local cloud provider and banks—fully automating all deployments
- Technology: Node.js, TypeScript, Go, Datadog, Splunk, PostgreSQL, Kubernetes, MongoDB, AWS, RabbitMQ, Kafka, Launch Darkly

### **Senior Software Engineer and Technical Lead - Xendit (Jakarta, Indonesia)**

**Feb 2019 - Jul 2019 (6 months) | Full-time, On-site**

- Led API team delivering gateway services handling 5M+ monthly requests and a callback system processing 2M+ monthly events
- Led and grew the API team by hiring 2 engineers, mentoring 3+ engineers and 1 QA, and delivering 3+ roadmap items per quarter
- Built backend for API key rotation and management, integrated with dashboard to improve security and reduce ops work
- Strengthened API key security by introducing granular permissions (read/write) and product scope separation
- Reduced technical debt by decoupling and rewriting API auth logic into a TypeScript service with 80%+ test coverage
- Independently executed 2+ database migrations to support API key permissions and product scoping with zero downtime
- Resolved 20+ production issues, fixed 3+ bugs related to auth and callback, and become a domain expert in API auth & callback
- Technologies: Node.js, TypeScript, JavaScript, React, AWS, MongoDB, PostgreSQL, Kibana, Elasticsearch, Kubernetes, GCP

### **Technical Lead - Xendit (Jakarta, Indonesia)**

**Jul 2017 - Feb 2019 (1 year, 8 months) | Full-time, On-site**

- Led billing team to deliver 15+ billing features and functionalities based of quarterly product and technical roadmap items
- Automated billing fees collection, generating over \$200k in revenue and eliminating 100% manual ops work
- Designed and built a billing system to automatically pull monthly transactions data across 8+ products, generate 300+ billing statement PDFs with tax invoices, send email notifications, and display the billing statements on the dashboard
- Ensure monthly billing statement data accurately matches ledger transactions, product transactions, and fee configurations
- Supported billing infrastructure for 8+ products—disbursement, batch disbursement, virtual accounts, retail outlets, invoices, bank account validation, credit cards, and e-wallets—covering both direct and indirect billing models with tiered pricing structures
- Performed 10+ database migrations to generate 1000+ past monthly billing statements PDFs, and enable fees configuration
- Rewrote billing service to centralize logic from 10+ services using TypeScript and best practices with 100% test coverage
- Gathered and validated 15+ requirements with PM, Finance, CPO, and CTO to align product and technical scopes
- Wrote 10+ technical specifications, architecture, and system design for building the billing system and features from scratch
- Reviewed 60+ code changes and 10+ technical specifications that are written by team members and other teams
- Led and mentor 3+ engineers; led scrum ceremonies including sprint planning, retrospectives, grooming, and technical planning
- Resolved 50+ billing-related customer issues while serving as a key domain expert in billing systems and operations

- Implemented billing system and successfully migrated data to Instamoney, a newly acquired entity under Xendit
  - Integrated 3+ billing features into Admin Dashboard, enabling CS team to resolve billing inquiries independently
  - Simultaneously led the Invoice team to improve UX, maintain reliability, and integrate new payment channels
  - Provide actionable feedback to engineers to foster growth in both technical skills and soft skills. Report directly to the CTO
  - Technologies: Node.js, JavaScript, TypeScript, React, MongoDB, AWS, Jenkins, GCP, RabbitMQ, LogDNA, Sentry, Cucumber
- Software Engineer - Xendit (Jakarta, Indonesia)**  
**Oct 2016 - Jun 2017 (9 months) | Full-time, On-site**
- Designed and built Virtual Account Top-up, Batch Disbursement, and Unique Amount payments having >3k monthly transactions
  - Resolved 50+ customer production tickets which mainly related to disbursement, incoming payments, and merchant onboarding
  - Fixed 10+ existing production bugs, performed root cause analysis of found major issues, and automated manual tasks
  - Wrote 5+ technical specifications to implement/modify product features which include high and low level implementations
  - Designed, implemented, and shipped user management features enabling approval flows for batch disbursement features
  - Participated in DevOps shifts to monitor service availability, track production errors, and implement short and long-term solutions
  - Proposed technical solutions and process improvement feedback to CTO. Report directly to CTO
  - Interacted directly with customers to solve production issues, guide API integration, and help go live on production
  - Wrote QA scenarios and performed UAT ensuring all scenarios passed also met product and technical requirements
  - Technologies: Node.js, JavaScript, TypeScript, React, MongoDB, AWS, Jenkins, GCP, RabbitMQ, LogDNA, Sentry, Selenium

EDUCATION

**Bandung Institute of Technology, Indonesia**  
Bachelor's Degree, Informatics Engineering, 2012 - 2016

CERTIFICATIONS

<b>Foundations of Project Management</b> <i>Coursera</i>	<b>8/2023</b>	<b>Communicating with Confidence</b> <i>LinkedIn</i>	<b>6/2021</b>
<b>DynamoDB Deep Dive: NoSQL for Software Engineers</b> <i>Educative</i>	<b>8/2022</b>	<b>Giving Your Elevator Pitch</b> <i>LinkedIn</i>	<b>5/2021</b>
<b>Up and running with Node and GraphQL</b> <i>Coursera</i>	<b>4/2022</b>	<b>Go course</b> <i>Sololearn</i>	<b>5/2021</b>
<b>Web Application and Software Architecture 101</b> <i>Coursera</i>	<b>4/2022</b>	<b>How to Set Goals When Everything Feels Like a Priority</b> <i>LinkedIn</i>	<b>5/2021</b>
<b>Introduction to Ruby on Rails</b> <i>Coursera</i>	<b>2/2022</b>	<b>Performance Management: Conducting Performance Reviews</b> <i>LinkedIn</i>	<b>5/2021</b>
<b>Learn Ruby from Scratch</b> <i>Coursera</i>	<b>2/2022</b>	<b>Problem Solving Techniques</b> <i>LinkedIn</i>	<b>5/2021</b>
<b>The Way to Go</b> <i>Coursera</i>	<b>2/2022</b>	<b>SQL course</b> <i>Sololearn</i>	<b>5/2021</b>
<b>Quality Assurance</b> <i>Coursera</i>	<b>1/2022</b>	<b>C++ course</b> <i>Sololearn</i>	<b>1/2019</b>
<b>Responsive Web Design</b> <i>Coursera</i>	<b>1/2022</b>	<b>Architecting on AWS</b> <i>Amazon Web Services (AWS)</i>	<b>2019</b>
<b>Incident Responder Certification</b> <i>PagerDuty</i>	<b>12/2021</b>	<b>Developing on AWS</b> <i>Amazon Web Services (AWS)</i>	<b>2019</b>
<b>Python Bootcamp from Zero to Hero</b> <i>Udemy</i>	<b>12/2021</b>	<b>RDS IAM Workshop</b> <i>Amazon Web Services (AWS)</i>	<b>2019</b>
<b>Back End Development and APIs</b> <i>freeCodeCamp</i>	<b>9/2021</b>	<b>Top 10 IOTIC 2015 (IoT contest across Indonesia)</b> <i>Bandung Institute of Technology</i>	<b>2015</b>
<b>Business English Communication Skills - Upper Pre-Intermediate Level</b> <i>English Today</i>	<b>9/2021</b>	<b>Top 10 ITBinMove 2015 (collaboration of best ideas across campus)</b> <i>Bandung Institute of Technology</i>	<b>2015</b>
<b>Go: The Complete Developer's Guide (Golang)</b> <i>Udemy</i>	<b>9/2021</b>		
<b>JavaScript Algorithms and Data Structures</b> <i>Udemy</i>	<b>9/2021</b>		

SIDE PROJECTS & VOLUNTEERING

- **Inspire Me (2024)**: Create inspirational wallpapers with motivational quotes
- **Obscurify (2024)**: Code obfuscation tool for protecting code confidentiality
- **YukNaikGunung (2024)**: Hiking information and guide application
- **FoodRecommendationApp (2024)**: Generate food recommendations based on location input
- **Indonesia Independence 79 Commemoration (2024)**: Interactive application celebrating Indonesia's independence
- **AdpList Mentor (2023)**: Providing guidance on software engineering career development
- **Technologies**: React, Tailwind, Next.js, TypeScript, MongoDB, Supabase, NextAuth, Vercel, Sentry, OpenAI