# Mochamad Lutfi Fadlan

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## PROFESSIONAL SUMMARY

Engineering Manager, Technical Lead, and Staff 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, MongoDB, RabbitMQ, Go, Datadog, Splunk, PostgreSQL, Kubernetes, AWS, 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, MongoDB, RabbitMQ, AWS, PostgreSQL, 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 billing 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, RabbitMQ, AWS, Jenkins, GCP, 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, RabbitMQ, AWS, Jenkins, GCP, LogDNA, Sentry, Selenium

## EDUCATION

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

## CERTIFICATIONS

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

## 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