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Professional Experience

Vouch – Senior Software Engineer

June 2024 – Now

[Vouch](#) is a travel-tech company that helps hotels streamline operations and enhance guest experiences through Vouch HOME, an all-in-one platform offering contactless check-in, task management, and guest request services.

- Led the migration to trunk-based development across 20+ repositories, improving development speed and reducing PR conflicts.
- Modernized CI/CD processes by implementing deployment file templates, improving visibility with deployment notifications, and reducing Docker image sizes by up to 50% with multistage builds.
- Introduced automation for faster software delivery, including PR templates, deployment verification, test pipelines, rollback pipeline, load testing pipeline, and cross-repo integration.
- Spearheaded the implementation of event-driven architecture to enable scalable, independent services and faster feature delivery with minimal system downtime.
- Co-authored an innovative internal microservice that integrates with large language models and AI solutions, enhancing our product offerings with advanced AI capabilities.

Xendit – Senior Software Engineer

Oct 2019 – Feb 2024

[Xendit](#) is a fintech company that provides payment infrastructure across Indonesia, Philippines, Malaysia, Thailand, and Vietnam. Xendit processes payments, runs marketplaces, disburses payroll and loans, detects fraud and helps other businesses grow exponentially.

- Decoupled a crucial service in the invoice domain, facilitating rapid growth and supporting diverse business use cases (related article in the [Xendit Engineering Blog](#))
- Be the main person in-charge to automate status page update (<https://status.xendit.co>) whenever there's unplanned partner downtime; automated 70%+ payment channels and saved around 100 man-hours on monthly basis
- Led technical initiatives to enhance development speed and minimize incidents, including standardizing workers' deployment and automating software dependency updates
- Created a centralized dashboard to visualize the repository vulnerabilities from time to time. Saved around 50 man-hours on monthly basis

Tebengan – Backend Engineer

May 2018 – Sep 2019

[Tebengan](#) is an app that helps you by providing transportations, either by car or bikes, that bring together drivers and passenger with the same trip destinations, so that both parties could share the same vehicle, the ride, and the journey.

- Rewrote the search engine implementation from Loopback to Elasticsearch. Resulted in 80% improvement (from 1s to 200ms) when getting search result

Goers – Backend Engineer

Jan 2018 – Apr 2018

[Goers](#) is a platform for both end-user to buy event and movie tickets and event creators to create and sell their tickets with ease.

- Developed a real-time crowd control system to manage attendees (scan in and scan out) and room capacity, saved 10 man-hours daily

Education

Bandung Institute of Technology – Bachelor of Science in Physics

Aug 2013 – Mar 2018

Projects / Open-source

CFC Schedule Tweet Reminder ([X account](#))

Twitter account to post message in X (formerly Twitter) ahead of Chelsea FC's match (day-1 and hour-1). Built using typescript that utilizing cron jobs and Redis's pub-sub mechanism to handle the main logic and Serp API to "scrape" Google search. Contacted by official Serp API (to showcase their API use case) and wrote the details of the implementation [here](#).

Skills

Languages: Javascript, TypeScript, Go, Python, PHP, Kotlin
Frameworks: NodeJS, ExpressJS, ReactJS, GraphQL, Flask, Fiber
Databases: PostgreSQL, MySQL, MongoDB

Cloud Providers: GCP, AWS, Heroku
DevOps & Infra: Nginx, Redis, Kubernetes, Docker
Messaging: Kafka, RabbitMQ, AWS SQS & SNS