# FADEL PAMUNGKAS

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## SUMMARY

A junior Backend Developer with expertise in Golang, Javascript, NodeJS, AWS, and software development. Strong focus on building reliable and high availability systems with clean code and microservices architecture.

## EXPERIENCE

**VerifyMagically** – Backend Developer (Freelance via Fiverr platform).                         Sept 2023 – Present

VerifyMagically is an email validation platform with the highest level of accuracy, ensuring authentic communication.

- Engineered a comprehensive catch-all email verification backend, effectively covering nearly 90% of all mail servers, which significantly reduced bounced emails and improved client communication.
- Utilized Golang's concurrency and thread-safety features to enhance the processing time of sending and catching operations, resulting in a more efficient and reliable verification process.
- Integrated OpenAI to manage the identification of uncovering email catching for the remaining 10% of mail servers, enhancing the platform's overall email verification accuracy and success rate.
- Orchestrated the deployment of the application to Linode servers, ensuring seamless operation and high availability to accommodate a growing user base.

**Exspanse** – Backend Developer (Freelance via Fiverr platform).                         Feb 2023 – Jul 2023

Exspanse provides an AI development, enabling machine learning engineers and data scientists to build, train, and deploy AI models effortlessly. Users can develop custom AI from scratch or leverage pre-built ML from DeepSpace marketplace.

- Implemented an integration plan enabling users to monetize their AI models on the DeepSpace AI Marketplace, generating a 20% commission margin for Exspanse, which in turn diversified revenue streams.
- Orchestrated a streamlined payment processing system leveraging Stripe's Connect, Checkout, and Transfer features; established a secure and efficient transaction.
- Leveraged Test Driven Development (TDD) and the Repository Pattern strategy, ensuring code quality and feature robustness in new developments.
- Collaborated with globally distributed team across Indonesia, the United States, Vietnam, India, and China.

**Quible** – Backend Developer (Freelance via Fiverr platform).                         Jan 2023 – Mar 2023

Quible is mobile-first platform providing real-time NBA event updates, score tracking, betting, and in-app chatting.

- Engineered a multilingual full-text search functionality utilizing Meilisearch, optimized search query time by 35% and ensuring a smoother user experience by reducing server load.
- Implemented real-time chatting functionality using Ably-go to facilitate live discussions during NBA games.
- Enhanced processing efficiency in the "Fetcher" service which led to a 30% reduction in response time, enabling the seamless operation of up to 25 high-demand applications concurrently.

## EDUCATION

**Universitas Islam Indonesia –** B.Eng. in Informatics                         Sep 2018 – Mar 2023

Cumulative GPA 3.6/4.0

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Web Development, Cybersecurity.

## PROJECTS RELATED

**SnapWork** – Fullstack Developer                         Mar 2022 – Dec 2022

SnapWork is a job portal platform that also include work-ready preparations services like psychological test, courses, and upcoming events. This project is intended to my undergraduate-thesis team, where I played the role as a Hacker.

- Engineered the platform using NextJs and Golang following Clean Architecture, also MongoDB for document storage and Redis for caching, slashed load time by 4x and boosted response time by 64%.
- Tested using JMeter to simulate 1000+ simultaneous users, resulting in 99.9% uptime.

**Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka**                         Feb 2021 – Jul 2021

Participated in Bangkit Academy's intensive Android development program, completed expert-level courses.

Collaboratively developed a project to pinpoint road damage hotspots using machine learning with a team of five students.

## SKILLS

- **Technical Skills:** Golang, Rust, Java, JavaScript, NodeJS, Postman, SQL, Git, Linux, Redis, Docker, OpenAPI.
- **Certifications:** Architecting on Amazon Web Services, Cloud Practitioner Essentials, DevOps Fundamental, Cybersecurity Essentials, Cisco Certified Network Associate Security (CCNA).