

# Muhammad Fathir Irhas

Software Engineer  
Jakarta

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## EDUCATION

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- **Universitas Telkom** Bandung, Indonesia  
*Sarjana Komputer (S.Kom)* 2012 – 2016

## EXPERIENCE

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- **Tiket.com** Jakarta  
*Backend Engineer* November 2020 - Present
  - **Team:** Flight Prepurchase
  - **Tech Stacks:** Java Spring with reactive framework(Spring Reactive), MongoDB, Redis, Kafka, RabbitMQ, etc.
- **Tokopedia** Jakarta  
*Software Engineer* July 2018 - April 2020
  - **Tech Stacks:** Golang, Javascript, PostgreSQL, MySQL, Redis, NSQ, gRPC, and GQL.
  - **Tokocash(*discontinued*):** Create Whatsapp verification.
  - **Saldo Tokopedia:** Designed and refactor deposit transaction identification. Saldo Tokopedia separation into Saldo Penghasilan and Saldo Refund. Frontend revamp and frontend APIs. Saldo Internal dashboard. Refactor codebase architecture to comply to some SOLID principles, saldo separation and for code coverage. Cron services.
  - **Internal Dashboard:** Work on internal dashboard as backoffice to business and ops teams.
  - **EGold:** Create datadog monitoring dashboard for Tokopedia Emas buy and sell success, attempts rate and collect error reporting in the dashboard.
  - **Legacy Code:** Migrate some legacy code in Perl into Go.
  - **Monitoring:** Monitor services running through logs, grafana and datadog dashboard.
  - **Support:** Support other teams to integrate. Support ops teams relating issues from customers.
- **Anabatic** Serpong, Tangerang  
*Software Engineer* Nov 2016 - Jun 2018
  - **Tech Stacks:** Java(Spring), PHP(Codeigniter), MySQL, Javascript.
  - **Emporia Digital Raya:** Subsidiary of Anabatic. Worked on Eksporaja, a product as a channel partner with Alibaba for eksporter in Indonesia. Maintain Emporia main website. Worked on Udaily another product from emporia for apartment cluster management and daily stuffs.
  - **Anabatic:** Worked on client site. Supporting development in Allianz.

## SKILLS

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- **Domain and Specs:** Backend Development, Web Services, Distributed Services, API, RPC, Message Queue, Persistence, Caching, Performance, Monitoring, Testing
- **Main Tools:** Go, PostgreSQL, MySQL, Javascript, Redis, gRPC, GraphQL, REST APIs, NSQ, Linux
- **Other Tools:** Java, C#, Python, NodeJS

## STUFFS

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- **Github(Link):** My Github Repos.
- **Programming Challenges(Link):** I spent free time by solving some programming problems found online in OpenKattis.com, hackerrank.com, and others.
- **Blog(Link):** My personal blog.
- **Blind Watermarking(Link):** College final project creating blind watermarking mechanism using methods Discrete Wavelet Transform and Hidden Markov Model.
- **ImagePro(Link):** College project creating mini image processing tools.