Michael Putong

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Blog   : https://goblog.dev

SUMMARY

- I am a seasoned fullstack engineer with over 13 years of comprehensive experience in full-stack development, backend systems, mobile app development, IT consulting, and IT support.
- Proficient in developing web applications using React.js, Golang, TypeScript, JavaScript, and Node.js.
- Skilled in implementing various communication protocols such as gRPC, RESTful APIs, WebSockets, Server-Sent Events (SSE), and gRPC streams.
- Experienced in building backend systems with a microservice architecture.
- Experienced in cloud platforms like AWS and Google Cloud Services for deploying and managing applications.
- Experienced with a range of tools including RabbitMQ, SQS, S3, GCS, SES, Git, Docker, Docker Compose, and Kubernetes.
- Utilized advanced monitoring and logging tools such as New Relic, Datadog, and Elastic Stack (Elasticsearch + Kibana).
- Adept in both SQL and NoSQL databases, including MySQL, Redis, MongoDB, BigQuery, and Oracle DB.
- Developed Android applications using Kotlin.
- Experienced in both Waterfall and Agile methodologies.

TECHNICAL SKILLS

- *Programming Languages*: Go, JavaScript, TypeScript, Go, Python, Php, Java, Kotlin
- *Frontend Development: React.js*
- *Backend Development:* Express.js, Gorilla Mux, Gin, Echo
- *Mobile Development:* Kotlin (Android)
- *Cloud Services:* AWS, Google Cloud
- *Databases:* MySQL, Redis, MongoDB, Oracle DB, Bigh Query
- *Messaging & Queues:* RabbitMQ, SQS, Redis Pub/Sub
- *Containerization & Orchestration:* Docker, Kubernetes

- *API Development*: RESTful APIs, gRPC
- *Version Control*: Github, GitLab, Bitbucket
- *Log & Monitoring*: New Relic, DataDog, Elastic + Kibana
- *Others*: Networking, IT Security

WORK EXPERIENCE

Kredivo, Jakarta — *Fullstack Engineer*

May 2021 - Present

Projects:

- **Dragon (Debt Recovery Agency Global Operation Network)**

  Description: Dragon app is an application used by the collection department to assist users for managing the external agents in collecting payments, and creating reports. This application has a feature to upload data in excel format and a feature to export data into pdf. This application handles millions of records and supports dozens of users.

  Role: Fullstack Engineer

  Responsibility: Develop backend and frontend features.

  Tech Stack: ReactJs, Golang, MySql, MongoDB, RabbitMQ, SQS, SES, Redis, Redis Pub/Sub, AWS, S3, BigQuery, RestAPI, Grpc, Grpc Stream, SSE, Data Dog, New Relic.

- **Komodo (Keeper Of Money from Delinquent Owner)**

  Description: Komodo Tool is an application used by the collection department to assist internal desk agents in collecting payments, contacting debtors, and recording the status of their accounts. This application handles hundreds of thousands of records and supports dozens of users.

  Role: Fullstack Engineer

  Responsibility: Develop backend and frontend features.

  Tech Stack: ReactJs, Golang, MySql, RabbitMQ, SQS, Redis, AWS, S3, BigQuery, RestAPI, WebSocket.

- **Tapir (Third party Apps Integrator)**

  Description: Komodo VN Web Collection Tool is an application used to connect different external (third-party) apps and services, enabling them to work together seamlessly.

  Role: Backend Engineer

  Responsibility: Develop backend features.

  Tech Stack: NodeJS, Javascript, MySql, RabbitMQ, Redis, AWS, S3, RestAPI.

Kanggo, Tangerang — *Software Engineer*

Feb 2020 - May 2021

Project:

- **Kanggo Applications**

    Description: Kanggo Applications consists of two Android applications and one backend application. The main Android application allows customers to order construction workers, while the other Android is a specialized app for workers to receive orders. This application supports hundreds of users.

    Role: Software Engineer

    Responsibility: Developed the backend features.

    Tech Stack: Golang, NodeJs, MySql, MongoDB, RabbitMQ, AliBaba Cloud, Docker, RestAPI, Elastic + Kibana.

Triplogic, Jakarta — *Android Engineer*

May 2019 - Oct 2019

Project:

- **Triplogic Application**

    Description: Triplogic Application is used by customers to order courier services for item delivery. This application supports hundreds of users.

    Role: Android Engineer

    Responsibility: Developed the Android Application.

    Tech Stack: Kotlin, Python.

Phincon, Jakarta — *IT Consultant*

Dec 2014 - May 2019

Project:

- **Contact Center Application**

    Description: Contact Center Application is a CRM application used by Bank Negara Indonesia (BNI) 46's contact center to manage customer inquiries and complaints through email and telephone services. The application supports hundreds of users and handles millions of customer data records.

    Role: Analyst

    Responsibility:
    - Designed the application system
    - Provided maintenance support

    Tech Stack: Oracle Siebel, SOAP.

Panin Bank, Palu — *IT Support*

Jan 2011 - Dec 2014

Project:

- **Data Center Restructuring**

Description: The Data Center Restructuring project focuses on reorganizing and optimizing the data center infrastructure in three office branches of Panin Bank in central Celebes province to improve efficiency, performance, and scalability. The project aims to enhance data center operations by implementing advanced technologies and best practices.

Role: Supervisor / Engineer

Responsibility:
- Supervised the project
- Setup the servers and networks

EDUCATION

Binus University, Jakarta — Master Degree (M.T.I)

Mar 2018 - Jan 2020

- Thesis: Classification model of contact center customer emails using machine learning.

STMIK Manado, Manado — Bachelor Degree (S.Kom)

Aug 2002 - Oct 2010

CERTIFICATIONS

Certified Ethical Hacker

- Issued by EC-Council, July 2022 (Exp. July 2025)
- Credential ID: ECC5471968032

Certified Secure Computer User v2

- Issued by EC-Council, Oct 2019
- Credential ID: ECC8063945172

Certified Associate in Python Programming

- Issued by Open EDG Python Institute, Mar 2019
- Credential

IELTS Academic (6.5)

- Issued by IELTS Official, Apr 2023

COURSES

- **Certified Ethical Hacking** — July 2022
- **Fullstack Javascript** — Oct 2019 - Feb 2020
- **Android Java Programming** — Apr 2019

LANGUAGES

- **Bahasa Indonesia**: Native
- **English**: IELTS Academic Score 6.5/ CEFR level B2