

ARI PRATAMA ZHORIFIANDI

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WORK EXPERIENCES

Xendit, Indonesia

Staff Software Engineer (November 2021 - Presents)

- Playing role as Technical Lead for Forex Product Team from Scratch (Forming a new team)
- Setting up systems architectural northstar for Forex Product to be followed by other engineers
- Conducting all responsibilities as Senior Software Engineer

Xendit, Indonesia

Senior Software Engineer (January 2020 - October 2021)

Responsible for [Remittance Infrastructure](#) development in Southeast Asia

- Leading projects by designing systems architectures and flows, database schemas, API structures
- Setting up technical guidelines for engineers in developing features and handling issues
- Coordinating with stakeholders (3 Product Teams and 2 Operation Teams) to deliver quarterly projects
- Mentoring 4 junior engineers within team
- Tech Stacks
 - Programming Languages: Javascript, Typescript, Golang, Python
 - Datastores: PostgreSQL and MongoDB (for legacy services)
 - Big Data: Apache Spark (Batch Processing) and PrestoDB (Datastore for batch process)
 - Other stacks: RabbitMQ (Message Broker), Redis (Distributed Lock)
 - Deployment: Docker (Containerization), Amazon EKS (Kubernetes)
 - Front End: React JS (Customer and Internal Dashboard)
 - Tracing and Monitoring: Datadog, Sentry, Splunk

Bukalapak, Indonesia

Software Engineer I & II (April 2018 - January 2020)

- Building data pipeline to generate personalized recommendations for > 10 Mio Users
- Building and Maintaining Personalization and Recommendation service: Throughput of 4000 requests per second and Latency 100 ms
- Conducting two migrations on live service from on-premise deployment to Google Cloud → Identified and Mitigated any risks from the migration process
- Building of one of the growth campaign services in Bukalapak → Average Throughput of 500 requests per second (Golang)
- Tech Stacks: Golang, Ruby, Python, Apache Cassandra, Apache Kafka, Apache Airflow, Apache Spark, MongoDB, MySQL, Redis, Google Kubernetes Engine, Docker, Gitlab CI, Vault, Kibana, Datadog

EDUCATION

Institut Teknologi Bandung, Indonesia

Bachelor of Science in Computer Science (August 2014 - July 2018)

GPA 3.62 of 4

PROJECTS

Swots.co

Technical Founder, Solo Developer (December 2020 - Presents)

Swots.co is an online tutor on-demand platform for high school students [\[link\]](#).

- Frontend: **Next.js** (**React.js** Framework), ChakraUI
- Backend: **NodeJS** + **Typescript**, AWS **Lambda** (**Serverless Framework**), Amazon **RDS** (**MySQL**), Amazon **S3**, Amazon **DynamoDB**
- CI/CD: **Github Actions** + **Serverless** Framework

INTERSHIP EXPERIENCES

Garuda Ilmu Komputer Lab, UChicago

Student Researcher (October 2016 - April 2018)

- Working remotely on benchmarking model-checking algorithms for exploring distributed concurrency bugs on **Apache Spark** performance using Distributed Systems Model Checker. (**Java** and **Scala**)
- GIK (Garuda Ilmu Komputer) Lab is supervised by **Professors from the University of Chicago**.
- Publication: Reducing Path Explosion in Bug Exploration on Apache Spark Using SAMC (Semantic-Aware Model Checking) [<https://sites.google.com/site/garudailmukomputer/publications>]

Bukalapak, Indonesia

Data Engineer Intern (June - July 2017)

- Building Fraud Detection systems based on Product Price. The system will scrap current product prices from other marketplaces and classify them into a specific domain. The system will be able to determine whether the products input in Bukalapak are fraud or not.
- TF-IDF (Term Frequency –Inverse Document Frequency) for preprocessing (text to matrix), Hierarchical Dirichlet process (HDP) for topic modelling, Stochastic Gradient Descent for classification
- Stack: Python, MySQL, Redis, Scikit-Learn.

AWARDS

- KataHack 2.0 1st Runner Up **2020**. [[news link](#)][[product](#)][[frontend repo](#)][[guide link](#)]
- Semifinalist Microsoft Imagine Cup **2018** Indonesia
- Top 10 National Finalist of Compfest 8 Hackathon **2016**
- Top 6 ITB Innovators Move **2016** (ITB InMove)
- 1st Runner Up – Digital Economy Initiative Hackathon Competition (**2016**)