

# Ahmy Yulrizka

Senior Software Engineer

## Profile

I have more than 12 years of experience in software development. I involved in designing, architect, and implementing high throughput systems serving traffic for one of the top popular sites in the Netherlands.

As part of a team, my potential contributions would be to collaborate with the team and business to rapidly iterate on a design and implementation of new functionalities as well as maintaining, improving, and scaling the current system.

Main skill sets:

**Programming Languages:** Golang, ruby, python, java

**Databases:** MySQL, Cassandra, Clickhouse, Redis

**Queues:** Kafka, ActiveMQ, RabbitMQ

**Deployments:** HashiStack, K8s, Openstack, Salt, Puppet, GitHub Action

## Employment History

### Backend Engineer at Shell, Amsterdam, The Netherlands

[April 2020 — Present](#)

The Agile Hub is an organization within Shell where we implement agile methodologies to help build applications to support shell business process. I work as part of small team to build an information system for business entities in shell.

**Key technologies:** Go, GRPC, Postgres, Kafka, Azure, k8s, CircleCI, Github Action

Responsibilities:

- As a senior backend developer, implement solutions to support the product.
- Integrating with shell legacy systems.
- K8s migrations
- Implement and maintain CI & CD pipeline testing and deploy the solution to Azure K8s
- Exploration on monitoring solutions, business dashboard, and best practices

### Lead Software Engineer at eBay Classified Group/Marktplaats, Amsterdam, The Netherlands

[August 2015 — April 2020](#)

Initially, I started working as a software developer with a role to design and implement multiple micro-services to support high-throughput systems. Currently, I am leading the platform sub-team which focuses on closing gaps between developers and operations with automation.

**Key technologies:** Go, MySQL, Clickhouse, Elasticsearch, HashiStack (consul, nomad), Kafka, Redis

Responsibilities:

- Leading migration from running on bare metal to a scheduled environment in the cloud.

## Details

[ahmy@yulrizka.com](mailto:ahmy@yulrizka.com)

Nationality

Indonesian

## Links

[linkedin.com/in/yulrizka](https://linkedin.com/in/yulrizka)

[github.com/yulrizka](https://github.com/yulrizka)

[labs.yulrizka.com](https://labs.yulrizka.com)

## Languages

Indonesian *Native*

*speaker*

English *Highly proficient*

Dutch *A2*

- Leading migration from legacy search engine to Elasticsearch.
- Design and implement an asynchronous image processing pipeline.
- Involved in designing a high throughput analytic engine.
- Represent my team in the Architect Group.

## **Software Engineer at Sense Observation Systems, Rotterdam, The Netherlands**

June 2012 — July 2015

Sense OS is a start-up that focuses on providing IOT platform with an intelligent agent that empowers developers to build smart applications. My main role was to expand and scale the back-end system

**Key technologies** : Go, PHP, Ruby & Rails, Cassandra, MySQL, MongoDB, AWS (EC2, Route53, S3), Openstack, Kafka, Redis, ELK Stack, Chef, Android (java), iOS (Swift & Objective-C). Frontend (JS, Angular, CSS, Haml, Compass, Sass)

Responsibilities:

- Scale the platform by designing and implementing microservices
- Evaluate, implement and maintain message queuing architecture that enables real-time processing
- Design and implement real time monitoring allowing insight and immediate action upon system disruption.
- Deploy automation allowing easy and fast deployment and the ability to switch cloud providers which provides cost-effective, high available system.
- Take part in mobile development both Android and iOS.
- Fronted development for dashboard application.

## **Chief Technology Officer at PT Starqle Indonesia, Bandung, Indonesia**

January 2009 — January 2012

Starqle is a small startup that mainly develops software for companies and government institutions.

**Key technologies**: Ruby (and rails, sinatra), Java (hibernate, JBoss Seam), PHP, MySQL, Git, SVN

Responsibilities:

- Responsible for determining framework and architecture used for Development.
- Lead a team as project managers on several projects.
- Establish policy and development workflow with test-driven development.
- Identify and explore new technology and project management that would be suitable for projects.

## **Software Developer at PT. Zamrud Khatulistiwa Technology, Bandung, Indonesia**

March 2008 — January 2009

I started my career as a junior software developer at Zamrud Khatulistiwa Technology. This company develops a custom solution for the private sector in which I involved mainly as a programmer.

Key technologies: Javascript (Extjs), PHP, Java (Spring, DWR, Hibernate), Mysql, Subversion

Responsibilities:

- Lead developer crayonpedia.org. Customizing mediawiki engines to create an encyclopedia that follows the national school curriculum.
- As a developer of financial systems for the local state government.
- As a developer of administration support systems used by one of the national agencies.
- Establish policies and software version control systems to enable collaborative development.

## **Education**

### **Master of Information System, Institut Teknologi Bandung, Bandung, Indonesia**

2008 — 2011

Major: Information Systems

- Software Engineering, Information Engineering, Enterprise Process & Modeling.
- Strategic Information Planning, Strategy & Policy of Information System.
- Management of Information System, Information System Governance.
- Risk Management of Information System, Project & Change Management

### **Bachelor of Informatics, Institut Teknologi Bandung, Bandung**

2004 — 2008

Major: Information System

- Algorithm & Data Structure, Algorithmic Strategies, Internet Programming
- Object Oriented Programming, Object Oriented Analysis & Design
- Database System, Operating System, System Programming
- Software Engineering, Software Project Management
- Wireless Mobile Computing

## Licenses & Certificates

### **DataStax Certified Professional on DataStax Enterprise (Cassandra, Spark, DSE Search, DSE Graph), DataStax**

[March 2017 — Present](#)

Credential ID: 952c0c8f-5047-4eaa-a9c6-033aca4ea8c8

<https://academy.datastax.com/>

### **Machine Learning, Coursera**

[December 2015 — Present](#)

Credential ID: HXSL3KT2GRP8

<https://www.coursera.org/account/accomplishments/verify/HXSL3KT2GRP8>

### **AWS Certified Solutions Architect - Associate Level, Amazon Web Service**

[November 2013 — November 2015](#)

Credential ID: AWS-ASA-1810

<http://aws.amazon.com/certification/>

### **Architecting with Google Kubernetes Engine Specialization**

[April 2020](#)

Credential ID: 9AGNV36KYGE8

<https://www.coursera.org/account/accomplishments/specialization/certificate/9AGNV36KYGE8>

## Honors & Awards

### **1st place Bandung Open Data Summit & Challenge "BOSCHA 2015", Bandung Open Data**

[February 2015](#)

### **1st place Data of the Crowds Hackathon, CMI en Creating010**

[August 2014](#)

CMI en Creating010 van Hogeschool Rotterdam, Zeewaardig en Gemeente Rotterdam

### **4th Best on Indosat Wireless Innovation Contest category android, Indosat Indonesia**

### **2nd Best on Codefest Asia 2007, Code Asia**