

# JULIUS BERNHARD, ST, MMSI

SENIOR SOFTWARE ENGINEER

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Tanah Baru, Beji, Depok – 16426



## PROFILE

**Birthdate:** July 9th, 1988

**Belief** : Catholic

**Status** : Single

**Height** : 174 cm

**Weight** : 90 kg

## PROFESSIONAL QUALIFICATIONS

Programming Languages:

- Golang (iris, echo)
- PHP (codeigniter, panada, phalcon)
- Python (django, flask, scrapy)
- Java
- C and C++
- HTML, CSS, and JavaScript (jQuery)

Database:

- RDBMS (MySQL, PostgreSQL)
- NoSQL (MongoDB, ArrangoDB)
- Redis

Message Queue:

- RabbitMQ
- NSQ

## SOCIAL MEDIA

fb.me/jbernhardsch

@jbernhardsch

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## WORK EXPERIENCE

### SENIOR SOFTWARE ENGINEER – LEADER

www.bhinneka.com | May 2017 - present

- Lead team to rewrite the whole current system of www.bhinneka.com
- Optimizing and scaling the system
- Development tools and programming languages:
  - Echo (Golang Framework)
  - Redis
  - PHP-Phalcon
  - MongoDB
  - PostgreSQL

### TECHNICAL LEADER – PRINCIPLE ENGINEER

www.MatahariMall.com | Jan 2016 - May 2017

- Quickly build a new system
- Build optimized algorithm of any systems
- Research new technologies which will be applied on its system
- Example of developed systems:
  - RESTFUL API which is integrated to the Manhattan SCALE system to manage warehousing;
  - RESTFUL API for Hypermart application;
  - RESTFUL API for discount rule module;
  - RESTFUL API for shipping cost module

### SENIOR WEB DEVELOPER

www.MatahariMall.com | Jul 2015 - Jan 2016

- Quickly build a new system of mobile version of MatahariMall.com
- Develop payment gateway for all platforms
- Example of developed systems:
  - Build customer facing of m.mataharimall.com;
  - Build payment system of all mataharimall.com platforms

### IT SPECIALIST

www.detik.com | Jul 2013 - Jul 2015

- Analyze new system which will be developed
- Build optimized algorithm of any systems
- Research new technologies which will be applied on its system
- Example of developed systems:
  - Build and optimize crawler and SEO audit system;
  - Build and optimize application monitoring system;



- Build video encoding system for VOD and live streaming on tv.detik.com and cnnindonesia.com – utilizing wowza;
- Build and optimize ISO 8583 server system;
- Build and optimize algorithm for SMS Broadcast – using django, celery, rabbitMQ, and pandas;
- Optimize ads delivery system – modify OpenX ads inventory;
- Optimize email-blast system

#### WEB PROGRAMMER

www.detik.com | Jan 2011 - Jul 2013

- Develop backend and frontend website system;
- Maintenance website;
- Bugs Fixing;
- Example of developed systems:
  - m.detik.com (whole system of mobile web of detik.com);
  - hot.detik.com;
  - tv.detik.com;
  - rollingstone.co.id (former programmer);
  - m.rollingstone.co.id;
  - Keywords Management System (internal);
  - Video encoding for detikTV (internal);
  - Rollingstone's backend CMS (internal)

## EDUCATION

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#### MASTER OF INFORMATICS SYSTEM MANAGEMENT

Universitas Gunadarma, Indonesia | 2009 - 2010

(Topic of Thesis: *An Application of AHP to Model Expert Judgements on Indonesian Banking Performance Evaluation*)

GPA 3.71

#### MASTER OF INFORMATICS SYSTEM MANAGEMENT

Universitas Gunadarma, Indonesia | 2006 - 2009

(Topic of Thesis: *Solving Parallel Binary Search on Multi-core Processor*)

GPA 3.64

#### GRAPHIC VOCATIONAL HIGH SCHOOL

SMK Grafika Desa Putera, Jakarta Selatan, Indonesia | 2003 - 2006

#### JUNIOR HIGH SCHOOL

SMP Desa Putera, Jakarta Selatan, Indonesia | 2000 - 2003

#### ELEMENTARY SCHOOL

SD Desa Putera, Jakarta Selatan, Indonesia | 1994 - 2000

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