

Education

- **Binus University** Jakarta
S.Kom / Bachelor of Computer Science 2018 - 2020
- **Telkom Institute of Technology** Bandung, West Java
A.Md. / Associate Degree Informatics Engineering 2008 - 2011
 - Assistant Coordinator Algorithm and Programming at Informatics Laboratory 2009
 - Assistant Application, Algorithm and Programming at Prolab 2008
 - Member Operating System Development (OSD) Study Group at Internet Application and Research Development (IARD) Laboratory 2008
- **SMK Telkom Sandhy Putra Purwokerto** Purwokerto, Central Java
Rekayasa Perangkat Lunak / Software Engineering 2005 - 2008
 - 3rd place winner of Central Java Level Student Competency: Web Design Competition 2008
 - Member of Student council board Political Organization and Leadership Division 2006/2007
 - Secretary of Sandhy Putra Computer Club (SCC) 2006

Certification

- Certified Secure Software Lifecycle Professional (CSSLP), No. 450638

Skills

- **Development:** Go, Python, Rust, C, JavaScript, HTML, CSS, SQL, Java, Kotlin, TypeScript, Ruby, Bash
- **Database:** PostgreSQL (+ postgis), MySQL, MongoDB, HBase
- **CI/CD:** Github Actions, Gitlab CI, Buildbot, Drone CI
- **Cloud Platform:** Amazon AWS, GCP
- **Orchestration:** Amazon ECS, Kubernetes, Nomad
- **Software Configuration Management:** Git, Mercurial, Subversion
- **Text Editor:** VS Code, Vim
- **IaC:** Ansible, Terraform

Research and Work Experience

- **PT Sampangan Mitra Indonesia** Jakarta, Indonesia
SRE Lead *January 2021 - current*
- **Binus University** Jakarta, Indonesia
Students *2020*
 - "Development of Meeting Schedule Application Using Genetic Algorithm"
- **PT Sampangan Mitra Indonesia** Jakarta, Indonesia
DevOps Security Engineer *June 2019 - Januari 2021*
 - Manage development & deployment flow
 - Manage ECS & Consul cluster
 - Monitoring production system
- **Myabuy LLC** Wilmington, Delaware, USA
DevOps Security Engineer *March 2016 - April 2019*
 - Do internal security audit
 - Designing Key Management System
 - Monitoring production system
 - Review technical design document
 - Create internal system documentation
- **PT. Indocisc** Jakarta, Indonesia
Security Analyst *2011 - February 2016*
 - Hacking demo about Heartbleed and SQL Injection, ITB-Korea Cyber Security Seminar (CYSE), ITB, Sumedang, June 25th 2014
 - Speaker in Network Security and Hacking Seminar, Padjadjaran University, Bandung, October 12th 2013
 - Trainer Workshop "Python 101" ICROSS (Indonesia Creative Open Source Software), Balai Kartini, Jakarta, April 24th 2013
 - Trainer Workshop "Application Security Analysis and Testing" FIRST Technical Colloquium, Padma Resort, Bali, March 29-32 2012
 - Penetration Testing for financial, government and educational institutions
- **PT. Insan Infonesia** Bandung, West Java
Web Application Developer *2011 - February 2016*
 - Risk Ranking Application for INTRAC, 2012
 - Komplane : Komputer Log Analyzer for KemKominfo, 2011
 - Syariah Insurance Core System for PT. Asuransi Syariah DFI, 2011
- **Departemen Perhubungan Jawa Barat** Bandung, West Java
Software Engineer Intern *2010*
 - Created "Aplikasi Kepegawaian"
- **Telkom Institute of Technology** Bandung, West Java
Students *2010*
 - Final project "IT Telkom News Map: Aplikasi Pengumpul Berital Lokal IT Telkom Berbasis Web"
- **SMK Telkom Sandhy Putra Purwokerto** Purwokerto, Central Java
Students *2007*
 - Final project "Pembuatan Program Penilaian Akademis Siswa"

- Network Maintenance at STO (Sentral Telepon Otomat) Palur

Selected Open Source Projects and Publications (github.com/sakti) (bitbucket.org/sakti)

- **gperf** Python
Graphing performance. 2012
 - Using sar for collecting system activity information
 - Using matplotlib for creating the graph
 - export data into csv, and txt(for statistic info)
- **id-collector** Python
A collection of tools for collecting data related to Indonesia. 2012
 - Using public data such as Wikipedia
- **sbulletin** PHP
Sbulletin is simple bulletin board php-based webapp with vulnerability. 2011
 - Using simple cookie for authentication
 - Vulnerable for Session Replay, Elevation of privilege, Session Hijacking
- **sudoku-java** Java
Sudoku game using java 2010

Personal

- **Birthdate:** Kebumen, October 1st 1990
- **Hobbies:** Cycling, Futsal, Video Games
- **Social Network:** facebook.com/saktidc, twitter.com/saktidc, id.linkedin.com/in/saktidc, plus.google.com/107982829732107681007(gplus.to/sakti)
- **My Blog:** www.saktidwicahyono.name