

# FERDIAN IFKARSYAH

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## EDUCATION

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<b>Bachelor of Computer Science</b>	<b>Institut Teknologi Bandung</b>	<b>Aug 2017 – Present</b>
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- Relevant Courseworks: Algorithms and Data Structures; Object-Oriented Programming; Web Development; Software Engineering; Database; Information System; Parallel and Distributed System.

## WORK EXPERIENCES

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<b>Back-End Developer, Intern</b>	<b>CICIL Solusi Mitra Teknologi</b>	<b>June 2019 - Aug 2019</b>
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- Refactored Cicil Jobs module to Clean Architecture to achieve independence of framework codebase.
- Implemented payment gates request handler using messaging queue backed with Redis.
- Tech stacks used: Golang, Gin, Beego, Redis.

<b>Software Developer, Intern</b>	<b>Zenius Education</b>	<b>May 2018 - July 2018</b>
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- Helped the business development team by implementing a gathering data system that makes analyzing and reporting customer data easier.
- Implemented a photo-sharing website for a gathering event.
- Tech stacks used: Clojure, Luminus, Compojure, Pedestal, Swagger.

<b>Computer Science, Coordinator</b>	<b>Student Olympiad Club 1 Depok</b>	<b>Aug 2015 - May 2016</b>
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- Tutored Olympiad Club members to prepare for OSN Komputer and other programming competitions.
- Led members of the club to several high school programming competitions to the final stage.

## ACHIEVEMENTS

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- **Finalist (Top 50), ACM-ICPC Asia Jakarta Regional 2019.** ICPC-style competitive programming competition.
  - **Contestant (Top 60), ACM-ICPC INC 2018.** ICPC-style competitive programming competition.
  - **Finalist (Top 20), BNPCHS 2016.** Competitive programming competition for high school students.
  - **Third Winner, OSK 2016.** City-level selection of Olimpiade Sains Nasional held by the Ministry of Education.

## SELECTED SIDE PROJECTS

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- **URLite (February 2020).** My implementation of URL shortener service to learn system design. Tech stacks used: Scala, Play Framework, Redis. Repo: <https://github.com/Ifkarsyah/urlite>
  - **Engima (November 2019).** Cinema website and movie ticket reservation application. Tech stacks used: Node.js, React.js, PHP, JAX-WS, Node.js, PostgreSQL. Repo: <https://github.com/Ifkarsyah/engima-main>
  - **ForFer (February 2019).** Typical forum platform where people can have conversations about various topics. Tech stacks used: Django, SQLite. Repo: <https://github.com/Ifkarsyah/forfer-forum>

## Technologies and Skills

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- Strong : C++, Python, Java
  - Experienced : Go, Git, Node.js, PostgreSQL
  - Familiar : MongoDB, Docker, React.js, Redis, Clojure, Scala

## VOLUNTEER EXPERIENCE

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- **Arkalogica Member, HMIF Arkavidia 2019.** Collaborated with 5 other members to make creative problems set as part of a logic competition held by Himpunan Mahasiswa Informatika ITB.