

# Zacharia Bachtiar

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## About Me

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Software Engineering graduate from Telkom University with a GPA of 3.91 and over a year of relevant work experience through internships at Telkom Indonesia and the Ministry of Finance. Skilled in building and maintaining backend systems, with expertise in Node.js, Golang, and Python. Proficient in database management across SQL and NoSQL systems, with a strong track record in both independent and collaborative settings. Actively seeking an entry-level role as a Software Engineer or Backend Developer.

## Skills

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- **Programming Languages & Frameworks:** Python, Golang, Node.js, Typescript, Gin, Express.js, React.js, Strapi
- **Testing & Versioning Tools:** Jest, Testify, Cypress, Katalon, JMeter, Docker, Postman, Git/Github/Gitlab
- **Databases & Cloud Systems:** BigQuery, MySQL, PostgreSQL, MongoDB, Sequelize, Prisma, Railway, Netlify

## Experiences

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### SahabatCGI Community

Bandung, Indonesia

*Project Lead and Backend Developer*

02/2024 - 09/2024

- Lead the development of a multi-dashboard community web application that allows administrators to manage content updates for potentially 1000+ SahabatCGI community members as part of a bachelor's degree thesis project.
- Developed 50+ API endpoints using REST and MVC architecture, and 100+ comprehensive unit test results using Jest.
- Integrated the web application with a mobile health-monitoring app to track and display data from cancer patients for real-time admin access to health and medication records, utilizing Railway cloud platform for providing 24/7 data access.

### Telkom Indonesia

Bandung, Indonesia

*Backend Developer Intern*

09/2023 - 02/2024

- Contributed to the development and migration of Smart City Nusantara systems through assisting the senior developer team in the backend operations using Gitlab and Node.js, mainly developing unit test automation for APIs using Mocha as a testing library.
- Performed query creations on a third party data service called BigQuery from BigBox, recorded 350+ API.

*Backend Developer Apprentice*

03/2023 - 08/2023

- Completed a 6-month apprenticeship focused on backend development, gaining hands-on experience with Golang, Docker, and Git.
- Collaborated with 6 other students from Frontend and Quality Assurance roles to develop a Postman clone using Gin and Gorm as part of the programs final project.

### Indonesian Aid, Ministry of Finance

Jakarta, Indonesia

*Programmer Intern*

06/2023 - 08/2023

- Contributed to the development of a full-stack web application utilizing modern technologies such as React and Strapi. This application functions as a content management system (CMS), aligning with the company's technology upgrade goals.
- Performed manual project deployment to a remote Linux server and configured the server using Nginx.

## Education

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### Purwadhika Digital Technology School

Jakarta, Indonesia

*Data Science and Machine Learning*

06/2024 - 10/2024

- Dedicated 5 months gaining deep knowledge and expert certification in Python Programming, Data Analysis, and Machine Learning, developed 8 impactful projects, achieving a final score of 86.97.
- Hands-on experience on data analysis and machine learning tools such as Apache Spark, Looker Studio, Tableau, and Scikit Learn.

### Telkom University

Bandung, Indonesia

*Bachelor of Software Engineering*

08/2020 - 09/2024

- Graduated with honors (Cum Laude) and achieved a GPA of 3.91, while actively involved in 3 student organizations.
- Practicum Assistant for Operating Systems, guiding 70+ students through exercises on operating systems such as Ubuntu and Xinu.

## Relevant Projects

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- **BandingBot:** Developed a handy, single-input web scraper to compare product costs from various e-commerce website such as Tokopedia, Lazada, Bukalapak, and Shopee. Utilized well-known technologies such as Express.js and Puppeteer. (02/2023)

## Certifications

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- **Complete Web Development:** Certificate from Udemy for completing a course on Fullstack Web Development. (08/2022)
- **Cloud Practitioner Essentials:** Certificate from Dicoding for completing a course on understanding AWS Essentials. (01/2023)
- **Problem Solving Basic:** Certificate from HackerRank for completing challenges on Algorithms and Data Structures. (01/2023)