

Zacharia Bachtiar

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About Me

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

- **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

SahabatCGI Community

Bandung, Indonesia

Project Lead and Backend Developer

Feb 2024 - Sep 2024

- Developed 50+ API endpoints using Node.js and Express.js with RESTful and MVC architecture, and 100+ unit test using Jest.
- Led 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.
- 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

Sep 2023 - Feb 2024

- Contributed to the development Smart City Nusantara systems using Node.js and Express.js, mainly developing RESTful APIs and performing unit test automation using Mocha.
- Performed query creations on a third party data service called BigQuery from BigBox, recorded 350+ API using Sheets.

Backend Developer Apprentice

Mar 2023 - Aug 2023

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

Indonesian Aid, Ministry of Finance

Jakarta, Indonesia

Programmer Intern

Jun 2023 - Aug 2023

- Contributed to the development of a full-stack web application using React.js 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

Purwadhika Digital Technology School

Jakarta, Indonesia

Non Degree, Data Science and Machine Learning

Jun 2024 - Oct 2024

- Dedicated 5 months gaining deep knowledge and expert certification in Python Programming, Data Analysis, and Machine Learning, developed 8 impactful projects with tools such as PySpark, Looker Studio, and Tableau, achieving a final score of 86.97 / 100.

Telkom University

Bandung, Indonesia

Bachelor of Software Engineering

Aug 2020 - Sep 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.
- Achieved an English Proficiency Test score of 597 / 677 (equivalent to B2 Level on European CEFR).

Relevant Projects

- **BandingBot:** Developed a 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. **(Feb 2023 - Apr 2023)**

Certifications

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