

# Philip Elson Bunthara

Jakarta, Indonesia

[philipbunthara@gmail.com](mailto:philipbunthara@gmail.com) • [linkedin.com/in/philipbunthara](https://www.linkedin.com/in/philipbunthara) • [philipelsonn.github.io](https://philipelsonn.github.io)

Results-driven student with experience in building backend services, full-stack applications, and test automation frameworks. Proficient in Go, Java, and Python. Well-versed in agile methodologies, cloud platforms, containerization, and caching. Strong communication skills and a passion for problem-solving through impactful software solutions. Eager to continuously learn and adapt to new technologies.

## Education

---

**Binus University**, Bachelor of Computer Science, GPA: 3.85 / 4.00

**Sep 2020 – Aug 2024**

Relevant Coursework: Algorithms and Data Structures, Artificial Intelligence, Code Refactoring, Computer Networks, Database Systems, Mobile/Android Development, Object-Oriented Programming (OOP), Operating Systems, Software Design Patterns, User Interface (UI) and User Experience (UX)

## Experience

---

**Mekari**, Software Engineer Intern

**May 2024 – Aug 2024**

- Migrated services in the Inventory Team from a monolithic Ruby on Rails application to a microservices architecture using Go and Kafka, reducing deployment times by 25% and increasing system scalability
- Developed and implemented a costing module for an inventory management system, improving calculation speed by 70% through query optimization and minimizing database call frequency
- Built unit tests with Testify and Mockery, practicing TDD and maintaining above 85% code coverage
- Collaborated in pair programming sessions to troubleshoot and debug issues effectively
- Created comprehensive RESTful API documentation using OpenAPI Specification

**Blibli.com**, Software Development Engineer in Test Intern

**Feb 2023 – Feb 2024**

- Developed 8 test automation applications using Java Spring Boot for frontend and backend services in the Customer Service Squad, reducing manual testing efforts by over 5 hours each week
- Automated and integrated over 80 UI and API tests into CI/CD pipelines, increasing test coverage by 45% and optimizing the shopping experience for over 30 million users in the Blibli Tiket ecosystem
- Spearheaded the design and development of modular and reusable components, applying SOLID and clean code principles, decreasing overall development time by 30%
- Implemented Groovy scripts in Jenkins, improving runtime performance by 60% with parallel execution
- Led a codebase refactor to enhance code quality and maintainability, cutting code redundancy by 40%

**Binus University**, Scholarship Mentor

**Mar 2022 – Feb 2023**

- Mentored 3 students in C programming, focusing on key data structures and algorithms

**Binus English Club**, Software Engineer

**Mar 2021 – Feb 2023**

- Designed, developed, and deployed 2 full-stack web applications using Laravel, MySQL, Bootstrap, and jQuery, facilitating seamless registration processes and administrative functions for almost 2000 users
- Led a team of 6 to enhance the browsing experience for 1000+ users, incorporating responsive design elements and optimizing dashboard performance by 20% through pagination
- Delivered a web development training program to 10 juniors, enabling them to build and launch 3 sites

## Skills

---

- Programming Languages: Go (Golang), Java, Python, PHP, C, HTML, CSS, JavaScript, SQL
- Frameworks and Libraries: Echo, Spring Boot, Laravel, Bootstrap, jQuery, OpenAPI (Swagger)
- Developer Tools: Docker, Maven, Jenkins, Grafana, Kibana, Postman, Confluence, Bitbucket, Jira
- Databases and Technologies: RDBMS (MySQL), NoSQL (MongoDB, Redis), Apache Kafka, AWS, Git