IVAN PHANDERSON

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Software Engineer with 2.5 years of experience in backend development, application engineering, and system integration across enterprise and financial technology environments. Experienced in building and maintaining backend services using Java, Spring Boot, and Quarkus, developing RESTful APIs, and integrating systems through SFTP and event-driven technologies. Strong background in application development using .NET and C#, automated testing, and software quality assurance. Demonstrated leadership experience in coordinating a 10-member team to deliver internal applications. Committed to writing clean, maintainable code and delivering reliable software solutions that meet business requirements.

Work Experiences

NTT DATA - **Jakarta, Indonesia** Jul 2026 - Present

Software Backend Engineer

- Assigned to the Prudential Syariah Indonesia team, supporting finance and accounting operations within the Payment Hub team
- Develop and maintain backend services using Spring Boot and Quarkus
- Handle file transfer and system integration using SFTP, MOVEit, and Vert.x
- Support the integration and maintenance of backend services within Payment Hub system

LG Sinarmas - **Jakarta, Indonesia** Apr 2024 - Jun 2026

Software Engineer

- Led a team of 10 to develop an internal application
- Designed and developed a scalable internal application
- Built RESTful APIs using Spring Boot and Java
- Wrote unit and integration tests using JUnit and Mockito
- Initiated the implementation of microservices to enhance internal application communication
- Support electric vehicle battery automated manufacturing process
- Create and update manufacturing execution system application based on user request using .NET and C#

DANA Indonesia - **Jakarta, Indonesia** Sep 2023 - Mar 2024

Software Development Engineer in Test Intern

- Part of paylater (Dana Cicil) project
- Automate software testing using code using Java and TestNG
- Create and maintain test scripts
- Identify and report defects and issues in software code
- Perform various types of testing, including functional and regression

Faculty of Computer Science, Universitas Indonesia Aug 2021 - Jun 2024

Teaching Assistant

- Teaching assistant for software engineering, databases, platform based programming, Java programming foundation, and many other courses
- Responsible for grading weekly assignments and group project of 16 students
- Holding a demo session of weekly assignments and group project with the students
- Conduct weekly tutorial session on how to create a website using Django and how to create a mobile application using Flutter
- Prepared weekly laboratory assignments

Education Level

Universitas Indonesia - **Depok, West Java** Sep 2020 - Jul 2024

Bachelor of Computer Science, 3.93/4.00

- Graduated summa cum laude
- Thesis title: Development and Evaluation of Human Anatomy Educational Augmented Reality Application Using User-Centered Design

Bangkit Academy - **Bandung, West Java** Feb 2023 - Jul 2023

Machine Learning Cohort

- Learn foundational machine learning concepts and algorithms
- Develop skills in data preprocessing, feature engineering, and model evaluation
- Explore different types of machine learning models such as supervised, unsupervised, and reinforcement learning
- Collaborate in team projects to apply machine learning techniques to real-world problems
- Build a travel recommendation system for capstone project

Skills, Interest, Achievements, and Other Experience

- **Hard Skills**: Python, Java, Javascript, PHP, Golang, C#, Git, HTML, CSS, Django, Flutter, Spring Boot, Quarkus, .NET, Laravel, NestJs, NodeJS, ReactJS, TestNG, Microsoft Office
- **Soft Skills**: Public speaking, adaptability, time management, critical thinking, leadership
- **Interest**: Web development, backend engineer, learning new languages
- **Bizzvest** (2021): Developed a business investment project using Django for the web app and Flutter for the mobile app, enabling seamless cross-platform functionality.
- **Jadwalkoe** (2021): Created a web-based scheduling solution, empowering users to efficiently manage events and tasks for enhanced productivity and organization.
- **MejaBelajar** (2022): Developed a web platform using Spring Boot, allowing teachers to share course materials and enabling students to enroll and access educational content.
- **MedicalSearch** (2022): Created a web project with Google-like search functionality, implementing techniques such as BSBI, stemming, and indexing for efficient information retrieval.
- **SiEvent** (2023): Completed a Scrum project and took on the role of Scrum Master, leading the team to success on creating event management project.
- **BookHive** (2023): A Laravel-based book-sharing platform where users can upload, access, and manage books with CRUD functionality. It offers book filtering by category for easy discovery.
- **DANA CICIL** (2024): Collaborated with tester and developer of DANA CICIL to ensure the product is bug free.
- **Knowledge Graph Application** (2025): Build an application using NestJS, ReactJS, D3.js, and Neo4J to convert ChatGPT answer as a knowledge graph to allow user to explore connections between concept interactively.
- **Request Portal** (2026): Designed and developed an enterprise Request Portal using Java, Spring Boot, and PostgreSQL, implementing versioned request templates, workflow management, role-based access control, RESTful APIs, and Redis caching with a focus on scalability, maintainability, and code quality.