Wilbert Cornelius

Full-stack Software Engineer

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About Me

Full-stack developer with experience building web platforms and mobile applications. Proficient in designing and integrating RESTful APIs to support seamless front-end and back-end functionality.

Careers

Software Engineer Intern

Blue Ocean IT Sdn. Bhd.   Kuala Lumpur, Malaysia

July 2024 - November 2024

- Reduced page load times by ~90% with AJAX-based data fetching and error handling.
- Cut data fetching time by ~50% through T-SQL and backend optimizations.
- Automated daily reporting using Python and GitLab APIs.
- Integrated Django authentication with corporate LDAP for centralized access control.
- **Techs Used:** HTML, CSS, and JavaScript, Angular, Django, Python, RESTful APIs, Git, GitLab, SQL Server, LDAP, HTML, CSS, JavaScript.

Part-time Software Engineer

Blue Ocean IT Sdn. Bhd.   Kuala Lumpur, Malaysia

November 2024 - February 2025 | April 2025 - Present

- Resolved recurring bugs and improved backend reliability across Django services.
- Reduced system errors and improved performance with optimized SQL queries.
- Enhanced authentication stability for external API interactions.
- Developed multiple Python microservices with secure, token-based communication.
- Reduced frontend bugs and enabled new features in Angular-Django integration.
- **Techs Used:** RESTful APIs, Git, GitLab, Microservices, SQL Server, APIs, Angular, Django.

Projects

Portfolio Website

- Built a responsive portfolio website with SvelteKit and Tailwind CSS.
- Implemented modular components, smooth animations, and theme switching.
- Created a Typst-based resume generator using shared JSON data.
- **Skills Used:** SvelteKit, TypeScript, Tailwind CSS, Mode Watcher, Vite, HTML, CSS, Git, Intersection Observer API, Typst, Vercel.

doc2pdf

- Created a Linux-based Python tool for converting various document formats to PDF while preserving input structure.
- Implemented support for processing files from multiple sources including directories and ZIP archives.
- Offered both CLI and GUI interfaces, along with a Docker image option, to enhance accessibility.
- **Skills Used:** Python, Linux, File Handling and Processing, LibreOffice Integration, Multithreading, Streamlit, Docker, Configuration Management.

Knit

- Achieved A+ (4.0) in Mobile App Engineering module.
- Enabled real-time neighbor interaction and local event organization.
- Collaborated effectively in a team to deliver a polished mobile experience.
- **Skills Used:** Flutter, Dart, UI/UX Design, Firebase, Mobile App Development.

J.I.M

- Achieved a A+ (4.0) in Introduction to Artificial Intelligence.
- Developed a chatbot to assist users with exercise and health queries.
- Achieved a 94.4% success rate in providing relevant information.
- **Skills Used:** Google Dialogflow, Knowledge Base Creation, Artificial Intelligence.

Education

Bachelor of Science (B.S.) in Software Engineering

Asia Pacific University | De Montfort University   CGPA: 3.6 / 4

Kuala Lumpur, Malaysia   Sept 2022 - April 2025

- Vice Chancellor's List (2022 - 2023)

Experiences

HackInsan   2024
Winner   *Permata Insan*

- Among over 200 competitors, secured 1st place in the category and 3rd overall.
- Developed PemTeach, a teacher support tool for volunteer educators.
- Delivered a cross-platform solution using Flutter and Flutterflow.

GCPBoleh Cloud Challenge (Season 5)   2023
Participant   *Google Developer Groups KL*

- Earned 10+ Google Cloud skill badges through hands-on labs.
- Built cloud solutions with Compute Engine, Cloud Storage, and Firebase.
- Explored data analysis and machine learning with BigQuery and TensorFlow.

Lazada ASBX Business Challenge   2023
Participant   *Lazada Malaysia x APU*

- Proposed 'Seller+', a toolkit for Lazada sellers with chatbot, editing, and analytics features.
- Applied Design Thinking to analyze problems and develop feasible solutions.
- Collaborated in teams and delivered clear, persuasive presentations.

Skills

Programming Languages: Java | Python | R | C++ | MSSQL | Svelte | Networking | HTML & CSS | JavaScript | TypeScript | Dart | C#

Frameworks: Next.js | Angular | Django | Flutter | Expo | Tailwind CSS | React Native

Platforms & Tools: Docker | Github | Git | Gitlab | Firebase | Vercel

Operating Systems: Windows | Linux (Fedora)

Soft Skills: Adaptability | Decision Making | Flexibility | Problem Solving | Task Prioritization | Teamwork | Time Management

Languages

- **English**: Full Professional Proficiency (IELTS: 7.0)
- **Bahasa Indonesia**: Native
- **Malaysian**: Professional Working Proficiency
- **Mandarin**: Novice