






# 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:** 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 - May 2025

- 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.

### APU Programming Cafe

- Achieved A (3.7) in Object-Oriented Programming using C#.
- Developed admin features for user management.
- Designed and optimized SQL database schemas.
- Skills Used:** C# Programming, SQL Database Design, Object-Oriented Programming.

## 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 | 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