Wilbert Cornelius

Full-stack Software Engineer

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About Me

A full stack developer and a student from Indonesia currently studying towards a BSc (Hons) Software Engineer in Malaysia.

Careers

Software Engineer Intern

Blue Ocean IT Sdn. Bhd.   Kuala Lumpur, Malaysia

July 2024 - November 2024

- Gained expertise in Python libraries, RESTful API design, full-stack development, and software engineering best practices like testing and scalability.
- **Techs Used:** HTML, CSS, and JavaScript, Angular, Bootstrapping, Django, Python, T-SQL, RESTful APIs, Git, GitLab, SQL Server, Database Design.

Part-time Software Engineer

Blue Ocean IT Sdn. Bhd.   Kuala Lumpur, Malaysia

November 2024 - February 2025 | April 2025 - Present

- Successfully resolved a wide range of technical issues, enhancing application stability and performance.
- Contributed to the successful integration and testing of critical API functionalities.
- Supported deployment efforts and assisted colleagues, improving team efficiency.
- **Techs Used:** Git, GitLab, Python, SQL Server, APIs, XML, LDAP, Debugging Tools, Database Tools, Angular, Django, HTML, CSS, JavaScript.

Projects

J.I.M

- Contributed in achieving GPA of 4.0 in Introduction to Artificial Intelligence module.
- Achieved a 94.4% success rate in providing users with helpful and relevant information.
- Assisted users in selecting exercises and warm-ups to target specific muscle groups.
- Responded to health-related inquiries with accurate and reliable information.
- **Skills Used:** Google Dialogflow, Knowledge Base Creation, Artificial Intelligence.

APU Programming Cafe

- Contributed in achieving GPA of 3.7 in Introduction to Object Oriented Programming module using C#.
- Designed and implemented the Administrator role within the application.
- Enabled user registration and deletion for efficient management.
- Designed and optimized SQL database schemas.
- Implemented queries for data retrieval and manipulation.
- **Skills Used:** C# Programming, SQL Database Design, Object-Oriented Programming.

Food Ordering System

- Contributed in achieving GPA of 3.7 in Object Oriented Development with Java module.
- Developed an efficient online food ordering system.
- Integrated notifications using text files to keep users informed about their order status.
- Created a user registration process for new users.
- Utilized text files for efficient data storage and management.

- Collaborated effectively with team members using GitHub and Git for version control.
- **Skills Used:** Java Programming, GitHub/Git Version Control, Text File Data Management.

Portfolio Website

- Developed a fully responsive design ensuring optimal viewing on all devices.
- Integrated seamless light/dark mode theme switching using Mode Watcher.
- Built with SvelteKit for a high-performance, modern web experience.
- Utilized Tailwind CSS for efficient, utility-first styling.
- Implemented smooth scrolling and scroll-triggered animations using Intersection Observer.
- Created reusable Svelte components for maintainability and consistency.
- Deployed via Vercel for continuous integration and delivery.
- **Skills Used:** SvelteKit, TypeScript, Tailwind CSS, Mode Watcher, Vite, HTML, CSS, Git, GitHub, Intersection Observer API.

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*

- Secured 1st Place in the Pemuda GEMA Category.
- Achieved 3rd Place Overall in the HackInsan 2024 competition.
- Developed PemTeach, a teacher support tool to enhance volunteer teachers' capabilities.
- Focused on cultural insights and personalized teaching methods.
- Delivered an innovative solution using Flutter as part of the TryHards team.

GCPBoleh Cloud Challenge (Season 5)   2023

Participant   *Google Developer Groups KL*

- Earned 10+ Google Cloud skill badges via Cloud Skills Boost, mastering GCP infrastructure, Terraform, Vertex AI, and secure network design through intensive hands-on labs.
- Built automated cloud solutions using Compute Engine and Cloud Storage.
- Deployed scalable serverless apps using Firebase including authentication, database, and hosting features.
- Analyzed NCAA® March Madness® data with BigQuery and applied TensorFlow for machine learning insights in a competitive challenge.
- Certified in GCP fundamentals, data/ML workflows, and infrastructure-as-code (IaC) through a structured self-study program.

H2O Splashmania   2023

Co-Leader   *Asia Pacific University (APU)*

- Coordinate seamless event execution through meticulous planning and strategic oversight.
- Lead and inspire teams, ensuring collaborative dynamics and optimal productivity.
- Actively contribute to decision-making processes for overall event success.
- Maintain strong communication with stakeholders to ensure effective coordination.

- Demonstrate flexibility in managing unexpected challenges during events.

Lazada ASBX Business Challenge   2023

Participant   *Lazada Malaysia x APU*

- Thoroughly analyze and identify complex problems in alignment with Design Thinking principles.
- Propose creative and innovative solutions to address identified problem statements.
- Apply relevant tools and techniques to assess feasibility and potential benefits of proposed solutions.
- Craft and deliver effective oral presentations, demonstrating clarity and persuasiveness.
- Actively contribute to collaborative team efforts, showcasing effective teamwork and participation.
- Tackled real-life industry challenges related to eCommerce entrepreneurship, omnichannel ecosystems, and marketing.
- Learned lessons on resilience, collaboration, and adaptability.

Tech Skills

- Angular
- C++
- Dart
- Django
- Expo
- Figma
- Firebase
- Flutter
- Git
- HTML & CSS
- Java
- JavaScript
- MSSQL
- Networking
- Next.js
- Python
- R
- React Native
- Svelte
- TypeScript

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

Certifications

- CCNAv7: Introduction to Networks

  CISCO (2023)