

EARL FRANCIS Y. ONG

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PROFILE SUMMARY

With a strong technical background and analytical mindset, I am passionate about leveraging technology to develop scalable and efficient solutions. I have experience working with various frameworks, databases, and cloud platforms, ensuring reliability and performance in software development. My expertise includes full-stack development, cloud computing, and secure coding practices, with a solid understanding of system vulnerabilities. Adaptable and detail-oriented, I thrive in agile environments, collaborating with cross-functional teams to deliver innovative and high-quality solutions.

TECHNICAL PROFICIENCIES

Application Development	C#, Java, Python, JavaScript, React, Flask, Vue.js, Node.js, PHP, SQL, HTML, CSS
Database Management	MS Access, MySQL, Microsoft SSMS, Azure Cloud Database, Google Cloud Database, MongoDB
Other Tools and Technologies	Git, Figma, Canva, Notion, Trello, Google Workspace, Microsoft 365

EDUCATION

Bachelor of Science in Computer Science	Aug 2021 ~ Jun 2025
University of Cebu – Lapuapu and Mandaue	Cebu City, Philippines

EXPERIENCE

Website Developer Intern Lanex Corp. - Philippines	Sept 2024 – Dec 2024 Cebu City, Philippines
<ul style="list-style-type: none">Co-developed a Profiling System that records employee career details, skills, and certifications, streamlining talent management.Designed and implemented frontend components using Vue.js, and built backend APIs with Node.js and PHP.Collaborated with a team of developers in an Agile environment, participating in code reviews, stand-ups, and sprint planning.Worked with Git and GitHub for version control, ensuring smooth collaboration and efficient code management.	

PROJECTS

Mobile Phishing Detection and Prevention System (Python, React Native, Flask, Pandas, Scikit-Learn)	Apr 2025
<ul style="list-style-type: none">Developed an AI-powered phishing detection model to classify malicious SMS & email content.Implemented a real-time alert system to notify users of phishing threats.Integrated Flask backend for secure API communication between the mobile app and the ML model.	
Equipment Management System (C#, ADO .NET, Microsoft SMSS)	May 2024
<ul style="list-style-type: none">Developed a secure and automated system for managing the borrowing and reservation of university equipment and tools.Implemented role-based access control (RBAC) to regulate user permissions and ensure data security.Designed real-time tracking features to monitor equipment status, availability, and return deadlines.Integrated an authentication system to safeguard sensitive inventory records and prevent unauthorized access.	
Teacher's Event Management System (Java)	June 2023
<ul style="list-style-type: none">Designed and developed a scheduling and reservation system for faculty seminars and certifications.Automated event registration, attendance tracking, and certification management for improved efficiency.Implemented notification features to remind faculty of upcoming events and required certifications.	

CERTIFICATIONS

Passer, CSE-PPT – Professional Level, Civil Service Commission Oct 2024

- Related skills: Professional ethics, problem-solving, analytical thinking, system analysis, process improvement, strategic planning, organizational skills, decision-making, public sector systems

Certificate in Ethical Hacking & Penetration Testing, MSTCONNECT PH Jun 2024

- Related skills: Network security, vulnerability assessment, penetration testing, ethical hacking methodologies, threat analysis, Burp Suite

Participant, HackForGov2: Capture-the-flag Competition, DICT 7 Aug 2023

- Related skills: Cybersecurity concepts, cryptography, digital forensics, web exploitation, network penetration testing, incident response, Kali Linux, Metasploit, Burp Suite

CCNAv7: Introduction to Networks, Cisco Networking Academy Feb 2022

- Related skills: Network fundamentals, subnetting, routing & switching, network security principles, TCP/IP, troubleshooting network configurations

Software Engineering Essentials, Coursera - IBM Jul 2024

- Related skills: Software development lifecycle (SDLC), Agile methodologies, DevOps practices, version control (Git), debugging and testing

Participant, Data Visualization and Analytics with Power BI Seminar, UC-LM Oct 2024

- Related skills: Data visualization, business intelligence, Power BI dashboard design, data modelling, report generation

Participant, The Mind of the Machine: Exploring Generative AI Seminar, UC-LM Oct 2024

- Related skills: Generative AI, AI model development, natural language processing (NLP), machine learning algorithms, prompt engineering, ethical AI practices, neural networks, AI tools and platforms (TensorFlow, PyTorch)