Contact

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Top Skills

Artificial Intelligence (AI)

Generative AI Development

Agentic AI Development

Certifications

Microsoft Certified: Azure AI
Fundamentals

Armel Ardael

Software Development Engineer

Metro Manila, National Capital Region, Philippines

Summary

Experienced software research and development engineer with expertise in code design, implementation or coding, testing, deployment and maintenance of software applications and systems. Equipped with a diverse and promising skill set. Proficient in various platforms and programming languages. Eager to learn new technology and face new challenging frameworks. Experienced various developing tools and procedure. Able to effectively self-manage during software development and collaborate with a cross-functional team.

Experience

eData Services US, L.L.C.
Software Engineer
December 2024 - Present (1 year 2 months)

Part of an in-house software development team, collaborating with internal stakeholders to build and maintain proprietary systems aligned with evolving business needs. Contributed to full-stack development of enterprise features built on a secure, scalable architecture.

Developed rich, interactive frontend components using Next.js and Material-UI (MUI), including login, dashboard, file explorer, user management, user profiles, and activity logs. Built and maintained RESTful APIs in ASP.NET Core, implementing middleware, services, and repository layers using dependency injection and clean architecture.

Integrated Entity Framework and PostgreSQL, and implemented Identity Framework with 2FA and role-based access control. Managed complex data models for users and business entities to support dynamic workflows. Developed a file explorer feature with FTP protocol integration for file upload, download, and organization.

Used Hangfire for background tasks like report generation and file processing. Integrated GitHub Actions for CI/CD automation. Completed practical training in Docker and Kubernetes, focusing on modern containerized deployment workflows via Microsoft Azure.

Engaged in agile sprints, code reviews, collaborative planning, and continuous performance optimization across the stack.

Developing simple AI prototypes using LLMs, embeddings, vector search, and RAG with Semantic Kernel and Qdrant, while exploring Agentic AI via the OpenAI SDK and CrewAI.

Certification: Microsoft AI Fundamentals (AI-900)

Technologies Used: Frontend: React, Next.js, MUI (Material-UI), JavaScript, TypeScript, HTML5, CSS3 | Backend: ASP.NET Core, RESTful API, C#, Entity Framework, Identity Framework, Hangfire, Middleware, Dependency Injection | Version Control: GitHub, GitHub Actions | Containerization & Orchestration: Docker, Kubernetes | Database: PostgreSQL | Protocols: FTP | Cloud Platform: Microsoft Azure

MDS Call Solutions, Inc.
Technology Engineer
July 2023 - August 2024 (1 year 2 months)
Philippines

Developed an advanced wage access application using flutter (android and ios)
Used Dio for network request, Retrofit for RESTFul api, Freezed for models and Riverpod for state management.
Exercised MVVM Architecture pattern
Collaborate with cross-functional teams to define, design, and ship new features.
Work closely with UI/UX designers to implement visually appealing and intuitive user interfaces.
Work with backend developers to ensure seamless data flow and communication between the mobile application and backend.
Fixed defects reported in system integration testing, user acceptance testing and production
Provided demonstration to stakeholders for the features that have been developed

Managed GIT repository commits, merges, reverts, etc.

Have significant experience in VueJs for web-frontend, Laravel framework for backend and Swift for IOS development

FPT Software
Software Development Engineer
September 2022 - July 2023 (11 months)
Makati, National Capital Region, Philippines

Port C++ executable files invoked by a bitstream development java project (from windows to linux platform)

Experience using Eclipse SDK and Maven for Build and debugging

Create build workspace using Makefiles

Managed Bitbucket repositories commits, reverts, etc.

Undergone Kotlin Training.

Experience creating Simple Mobile and Android TV Application using Android Studio, Gradle, AVD-Emulator, Manifest Files.

Create Android IPC using AIDL (Client and Service Application)

Implement MVI-Architecture using Orbit (ViewModel, Custom state and side-effects, state and side-effect handling scenario)

Update MVI Application to a Composable UI

Overrides functions or stages in Activity and Fragment Lifecycle

Undergone AWS Certified Cloud Practitioner Training (CLF-C01) but not yet certified

AWS Philippines (Advanced World Systems, Inc. and Advanced World Solutions, Inc.)
Senior Assistant Research and Development Engineer
January 2020 - September 2022 (2 years 9 months)
Makati, National Capital Region, Philippines

develops browser library for a digital TV in an automobile that can load, process and display data from different DTV Broadcasting channels complying to ARIB standards.

Utilized Apache xerces c++ for parsing, manipulating, and validating XML documents

Embedded SpiderMonkey engine to process or execute javascript codes

Handled the reading process of XML files, BinaryTable file (.btb), Color Look up Table (.clut) and images such as JPEG, PNG and MNG.

Handled business logic behind the display process of every node of XML file, the image, the text and the animation of MNG including the correct colors.

Dealt with event handling and multithreaded process to update data and transitions on the screen
Undergone Training in different areas in Software development such as C, C++, Java, SQL, HTML, CSS and Javascript

Trend Micro
Core Technology Engineer
January 2019 - April 2019 (4 months)
The rockwell business center, Pasig City

Study and understand windows internal such as windows architecture, object and handles, process, threads, other kernel object, memory residency, virtual memory, windows registry, hard disk concept and filesystem.
Exposed and familiarized in different malwares such as worms, virus, trojan and blended threats as well as disassembly and debugging tools which used to monitor malicious activity and reverse malware program.
Write technical report about the cyber threats, its arrival and capabilities and the affected files.

Education

Polytechnic University of the Philippines
Bachelor's degree, Electronics engineering · (2013 - 2018)