German E. Felisarta III

Software Engineer

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PROFESSIONAL EXPERIENCE

Software Engineer   06/2023 - Present
Bluewind Asia Corp
- Developed a Retrieval-Augmented Generation (RAG) system using Python and open-source LLMs to enhance document-based Q&A accuracy.
- Built and maintained real-time web apps and microservices using Next.js, TypeScript, and Laravel, improving system responsiveness and scalability for international clients.
- Collaborated with an international team to implement new features aligned with business objectives.

Firmware Engineer   07/2022 - 06/2023
Lexmark Research and Development Corp.
- Developed and optimized embedded firmware with C++, SQL, Java, and AOSP, utilizing Linux tools to improve system performance and hardware interfacing.
- Followed Agile and Scrum methodologies to manage sprints and deliver iterative software improvements.

Salesforce Developer Intern   03/2022 - 06/2022
Accenture, Inc.
- Completed Salesforce Administrator and Developer training, gaining proficiency in CRM solutions and cloud-based development.
- Developed and configured a Flight Booking and Assignment System using Apex, Lightning Components, and Visualforce, enhancing business process automation

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RELEVANT PROJECTS

germaniii.com
NextJS • Javascript • SCSS
- Built a personal portfolio with Next.js and SCSS to showcase projects, skills, and technical writings.

wiki.germaniii.com
Javascript • React • Markdown • Vite
- Developed a static site with a blog/wiki on tech and how-tos.

Beyond Automated Interaction (B.A.I.)
Ollama • React • Laravel • PHP • MySQL
- Created an AI chat app using open-source LLMs as a free ChatGPT alternative.

Keyboard Utility / Mapper Application (K-U/MA)
React • Javascript
- Developed a web-based tool for key remapping and keyboard diagnostics using React.

Linux Installers & Dotfile Management
Bash • Python • Lua
- Maintained and optimized dotfiles and scripts to enhance developer experience.

Emergency Messaging Application and Device - Thesis Project
Java • C++ • SQLite
- Enabled phone-to-phone communication via Arduino without Wi-Fi or Bluetooth.

EDUCATION

University of San Carlos   08/2018 - 06/2022
Bachelor of Science in Computer Engineering

ORGANIZATIONS

University of San Carlos - Choristers
08/2018 - 06/2022
- Member (2018-2022)
- Bass Section Leader (2019)