Profile

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Experience

May. 2021 – Present, Zealogics Taipei, Senior Software Engineer

Skills: Bamboo · Bitbucket · C++ · CentOS · Confluence · Docker · Git · JIRA

- Developed, tested, deployed, and maintained legacy C++ code for ASML products.
- Debugged and resolved issues to ensure smooth functioning of the software.
- Contributed actively to technical discussions, providing valuable insights and suggestions.
- Conducted thorough code reviews to enhance code quality and maintain best practices.
- Collaborated with team members to share knowledge and insights on internal platforms.
- Created comprehensive design documents on Confluence, ensuring clarity and documentation of project requirements.
- Implemented unit tests using GoogleTest framework to ensure code reliability and functionality.
- Utilized version control systems like Git and source code management tools like Bitbucket.
- Employed Bamboo for continuous integration and deployment processes.
- Worked in a CentOS environment, leveraging its features for efficient development and deployment.
- Used JIRA for project management, issue tracking, and task assignment.
- Employed Docker for containerization and streamlined deployment processes.

Jan. 2019 – May. 2021, PwC Taipei, Senior Associate

Skills: Java · Salesforce (Salesforce Certified Platform Developer I) · Talend

- Demonstrated expertise in Salesforce, holding the Salesforce Certified Platform Developer I certification.
- Led and managed data migration projects, successfully transferring data from IBM and Oracle databases to Salesforce and Marketing Cloud for China Airlines.
- Leveraged Talend for data integration, transformation, and processing.
- Designed and developed RESTful APIs to facilitate seamless integration with external systems, enabling efficient data creation, deletion, and search functionalities.
- Implemented Salesforce solutions for an awarding program, allowing consumers to upload invoices as campaign tickets with configurable rules and prizes.
- Architected a comprehensive law management system for Chang Hwa Bank's law department, encompassing all aspects of the creation, updating, deletion, searching, and approval procedures.
- Introduced Robotic Process Automation (RPA) to automate tax document production for the financial services tax department of PwC and enhance operational efficiency for the credit checking and general service department of First Bank.

Jan. 2018 – Nov. 2018, theCoderSchool California, Coding Instructor

Skills: Java · JavaScript · Python

- Conducted comprehensive programming classes, delivering instruction on Java, JavaScript, and Python.
- Developed and implemented curriculum to effectively teach programming concepts and languages.
- Facilitated hands-on coding exercises and projects to enhance students' practical coding skills.
- Provided individualized guidance and support to students, helping them overcome challenges and improve their programming abilities.
- Fostered a positive and engaging learning environment, encouraging students' creativity and problem-solving skills.
- Kept up-to-date with the latest trends and developments in programming languages and tools to deliver high-quality instruction.
- Collaborated with parents and colleagues to ensure students' progress and address any concerns or questions.

Sep. 2015 – Dec. 2017, College of San Mateo California, Assistant Web Developer

Skills: Bootstrap · PHP · PHPUnit · PowerShell · Slim Framework

- Managed websites of the San Mateo County Community College District using OU Campus, ensuring their smooth operation and timely updates.
- Developed PowerShell scripts to manage permissions for CSM students, automating the process and enhancing efficiency.
- Orchestrated automated deployments of web applications using Jenkins and Octopus Deploy, streamlining the deployment process and ensuring consistency.
- Created a user-friendly GUI tool using Bootstrap, PHP, and Slim Framework to verify the accuracy of website migrations, ensuring seamless transitions and optimal user experience.
- Utilized Bootstrap framework for responsive and visually appealing website designs.
- Employed PHP for server-side scripting and integration with web services.
- Implemented PHPUnit for unit testing to ensure code quality and maintainability.
- Leveraged Slim Framework for developing lightweight and efficient PHP applications.

Jan. 2015 – Jul. 2015, Comwave Taipei, Software Engineer

Skills: Java

- Collaborated with a team to enhance transactional performance and implement optimizations for Taipei Fubon Bank.
- Conducted performance analysis and identified areas for improvement, ensuring efficient and reliable transaction processing.
- Implemented optimizations and fine-tuned code to enhance the overall performance of transactional systems.
- Worked closely with clients to understand their requirements and provide tailored solutions.
- Conducted thorough testing and debugging to ensure the stability and integrity of the implemented enhancements.
- Actively participated in technical discussions and knowledge sharing sessions to promote continuous improvement and innovation.

Sep. 2013 – Dec. 2014, American Megatrends Taipei, Software Engineer

Skills: C++

- Developed, tested, deployed, maintained, and debugged Advanced Linux Sound Architecture (ALSA) drivers in the Linux kernel.
- Collaborated with a team of engineers to ensure the proper functioning and compatibility of sound drivers.
- Conducted thorough testing and debugging to identify and resolve issues, ensuring the stability and performance of the sound subsystem.
- Contributed to technical discussions and internal knowledge sharing sessions, sharing insights and expertise with colleagues.
- Collaborated closely with hardware and software teams to ensure seamless integration of sound drivers with the overall system.
- Participated in code reviews and provided constructive feedback to improve code quality and maintainability.

Dec. 2010 – Apr. 2013, Quanta Computer Taoyuan, Software Engineer

Skills: Android · C++ · Java · OpenGL ES

- Developed a video conferencing application for Android that utilized OpenGL ES for rendering and TCP for transmitting video data.
- Designed and implemented the video rendering functionality using OpenGL ES to ensure smooth and high-quality video playback.
- Integrated TCP communication protocols to enable real-time transmission of video data during video conferences.
- Collaborated with cross-functional teams to ensure seamless integration of the application with the Android platform.
- Conducted thorough testing and debugging to ensure the stability and performance of the video conferencing application.
- Implemented thermometer and compass drivers in the Linux kernel for specific hardware devices.
- Collaborated with hardware teams to understand the requirements and specifications of the thermometer and compass functionalities.
- Developed driver software to enable accurate temperature and compass readings, enhancing the overall functionality of the devices.
- Conducted performance optimization and troubleshooting to address any issues or limitations in the driver implementations.

Jan. 2010 – Dec. 2010, Avision Hsinchu, Software Engineer

Skills: Active Template Library (ATL) · Microsoft Foundation Class (MFC) · Visual C++

- Developed, tested, deployed, maintained, and debugged an application written in Visual C++, Microsoft Foundation Class (MFC), and Active Template Library (ATL) for various types of scanners.
- Collaborated with cross-functional teams to gather requirements and specifications for scanner applications.
- Implemented the TWAIN protocol, enabling seamless integration of scanners with image applications such as Photoshop.

- Conducted thorough testing and troubleshooting to ensure compatibility and optimal performance of scanners.
- Implemented features and functionality to enhance the scanning capabilities and user experience of the application.
- Worked closely with hardware teams to understand the scanner specifications and ensure proper integration with the software.
- Collaborated with team members to ensure adherence to project timelines and deliverables.

Education

Sep. 2006 – Jun.2008, Yuan-Ze University Taoyuan, Master's Degree in Information Management

- Successfully completed a Master's degree in Information Management with a specialization in digital image processing.
- Developed expertise in utilizing OpenCV, a widely used computer vision library, to implement object detection algorithms.
- Explored various techniques in digital image processing, including image enhancement, feature extraction, and pattern recognition.
- Presented research findings and participated in academic discussions, contributing to the dissemination of knowledge in the field.

Sep. 2001 – Jun. 2005, I-Shou University Kaohsiung, Bachelor's Degree in Information Management

- Earned a Bachelor's degree in Information Management, specializing in object-oriented programming languages, data structures, and algorithms.
- Demonstrated proficiency in programming languages such as C++ and Java.
- Acquired in-depth knowledge of data structures and algorithms.
- Designed and developed an information conference website that allowed professors to upload and share their papers after successful reviews.
- Implemented features to ensure secure and efficient paper submission, review process, and access control.
- Collaborated with a team of fellow students to create innovative solutions and enhance the functionality of the information conference website.
- Successfully applied theoretical concepts learned in coursework to practical projects, showcasing problem-solving abilities and creativity.