

Lance Castillo

122 Morris Ave, Summit, NJ, 07901 • (856) 242-1925 • lance.s.castillo@gmail.com

EDUCATION:

Computer Science and Engineering, B.S.
The University of California, San Diego

Graduation Date: June 17, 2012
Selected for the SMART Grant
Received the Gold Honeysett & Din Student MUSE Award

TECHNOLOGIES:

- Java, Spring, JavaServer Faces, PHP, Python, Django, C#, C++, C, .NET, MongoDB, MySQL, PostgreSQL, Apache2, Tomcat, Node, REST, Javascript, Angular, React, React Native, jQuery, JSON, CSS, Twitter Bootstrap, ActionScript 3.0 (Flash), Unix/Linux, Maven, Ant, AWS Webservices, Github, Graphics Design

SKILLS:

- Experienced in front-end and mobile app UI development, crafting intuitive and visually appealing user interfaces while seamlessly integrating them with the back-end functionality.
- Skilled in developing robust back-end server solutions, leveraging various technologies and frameworks to create efficient and scalable systems.
- Proficient in designing and implementing APIs, ensuring effective communication and data exchange between different systems and applications.
- Knowledgeable in server deployment and management, ensuring the smooth and reliable operation of server infrastructure to support application deployment and handle user traffic efficiently.

RELEVANT EXPERIENCE:

Full Stack Software Engineer, EV Connect, El Segundo, CA

1/17 to Present

- Developed a robust and user-friendly mobile app using React Native, starting from scratch, to replace an outdated and problematic mobile app for our drivers, ensuring a seamless and efficient experience.
- Executed end-to-end development, including backend API creation, database design, and front-end UI implementation, catering to the needs of both drivers and internal company end users. This comprehensive approach ensured a cohesive and intuitive user experience across all interfaces.
- Played a pivotal role in laying the groundwork for EV Connect, contributing to its foundation and growth. This substantial contribution ultimately led to the acquisition of EV Connect by Schneider Electric in early 2022, highlighting the value and impact of the development efforts.
- Tech Stack: React Native, React, Angular, Java Spring Framework, MongoDB, AWS

Software Developer II, Yardi, San Diego, CA

9/15 to 1/17

- Spearheaded the development of a comprehensive self-loading and web UI responsive chat feature for an e-learning application, enhancing real-time communication and collaboration among users.
- Leveraged C# and .NET alongside MySQL to deliver end-to-end solutions, ensuring seamless integration of the chat feature with the existing e-learning application, and enabling efficient data management and retrieval.
- Collaborated closely with the development team to implement full-stack solutions, employing industry-standard technologies and best practices to create a robust and scalable chat feature that met the needs and expectations of the application's users.
- Tech Stack: jQuery, Twitter Bootstrap, C#, PostgreSQL, AWS

Lance Castillo

122 Morris Ave, Summit, NJ, 07901 • (856) 242-1925 • lance.s.castillo@gmail.com

EXPERIENCE CONTINUED:

Software Engineer, Confident Technologies, **Solana Beach, CA** 12/12 to 9/15

- Successfully debugged and enhanced public-facing web APIs using a diverse range of programming languages and frameworks, including Java, Python, PHP, .NET, Apache2, and Tomcat. Through meticulous troubleshooting and optimization, I improved the performance, functionality, and reliability of these critical APIs.
- Took a comprehensive approach by creating, deploying, and providing support for both back-end and front-end solutions. This involved developing robust and efficient server-side components while also designing and implementing intuitive and user-friendly user interfaces. By ensuring a seamless integration between the back-end and front-end, I delivered cohesive and high-quality solutions.
- Actively engaged in the deployment and ongoing support of the solutions, offering technical expertise and troubleshooting assistance to ensure smooth operation and address any issues that arose. By providing reliable and timely support, I contributed to the overall success and satisfaction of the users.
- Tech Stack: jQuery, PHP, Python, Java, MySQL, AWS

Associate Developer, Life Technologies, **Carlsbad, CA** 4/12 to 12/12

- Utilized Python programming language to create a specialized badge photo auto-resizing application. The application incorporated cutting-edge face detection software to intelligently center the face within the photo, ensuring visually appealing and professional-looking badges.
- Played a key role in developing integrations for Workday, a widely used SaaS application. These integrations facilitated seamless connectivity and data exchange between Workday and other systems, streamlining business operations and enhancing data accuracy and efficiency. Additionally, provided support for SAP database, leveraging in-depth knowledge of SAP systems and best practices.
- Implemented new functionality for a ServiceNow ticket-tracking website, enhancing its capabilities and improving the user experience. By developing and integrating innovative features, I contributed to the efficiency and effectiveness of ticket management, streamlining processes and fostering collaboration within the organization.
- Tech Stack: Javascript, Python

Contracted Developer, The Museum of Photographic Arts (MOPA), **Balboa Park, San Diego** 12/11 to 10/12

- Designed and developed a captivating multi-touch application by leveraging Ideum's open-source framework. This application offered an engaging and interactive user experience, showcasing the power of multi-touch technology in a seamless and intuitive manner.
- Facilitated seamless communication between a multi-touch table and a wall-mounted 65" HDTV, creating a dynamic and visually stunning setup. This integration enhanced the immersive experience for users, allowing them to interact with the application on the multi-touch table while simultaneously viewing the content on the larger HDTV display.
- As a testament to the spirit of open-source collaboration, the completed application was made publicly available as an open-source project. By sharing the source code and project files, it provided an opportunity for developers, enthusiasts, and the community at large to explore, customize, and further innovate upon the application, fostering a culture of knowledge-sharing and collaboration.
- Tech Stack: Actionscript, Microsoft Surface

Lance Castillo

122 Morris Ave, Summit, NJ, 07901 • (856) 242-1925 • lance.s.castillo@gmail.com

EXPERIENCE CONTINUED:

Database Administrator, Shiley-Marcos Alzheimer's Disease Research Center, **UC San Diego** 9/11 to 3/12

- Customized Microsoft Access solutions were meticulously designed to address the specific needs of physicians, enabling them to seamlessly connect with and leverage the data they collected from their patients.
- Through careful design and implementation, these customized solutions provided physicians with enhanced accessibility and ease of use, streamlining the process of retrieving and analyzing patient data.
- By leveraging the power and flexibility of Microsoft Access, these solutions empowered physicians to make informed decisions, track patient progress, and improve overall patient care by effectively utilizing the valuable data they collected during their practice.
- Tech Stack: Javascript, MySQL

Intern, National Institute of Information and Communications Technology, **Kyoto, Japan** 6/11 to 8/11

- Developed a captivating multi-touch application using Ideum's Open Exhibits SDK, leveraging its powerful features and capabilities to create an immersive and interactive user experience.
- Implemented a local WAMP server as a strategic solution to enable seamless communication between the multi-touch application and a tiled display wall. This innovative approach facilitated the successful deployment of the flash application at the prestigious Knowledge Capital 2011 exhibition in Osaka, Japan.
- By effectively integrating the multi-touch application with the tiled display wall through the local WAMP server, the exhibition attendees were treated to a visually stunning and engaging experience, showcasing the seamless interaction between the application and the expansive display. The deployment at the exhibition highlighted the successful collaboration of technology and creativity to captivate and engage the audience.
- Tech Stack: Actionscript, Embedded Software

LINKS:

- **Article and video of project in Japan on Calit2's website:** <http://tinyurl.com/7w52gv5>
- **Open source link to project in Japan:** <http://openexhibits.org/download/my-gallery-interactive/>
- **Open source link to project with MOPA:** <http://openexhibits.org/download/soapbox/>
- **Personal Website and CV:** <https://www.lancecastillo.com>