JOEL QUINTANA

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PRODUCT ENGINEER | SOFTWARE ENGINEER | TEAM LEAD
Client Development | Agile Development | Services Information Development

Results-driven, customer-focused, highly organized and analytical bilingual Software Engineer with experience in design, development, integration, and delivery of web applications and analysis for large organizations, including Meta (Facebook), Hewlett-Packard and the City of El Paso. Demonstrates strong leadership skills, the ability to prioritize, delegate tasks and making sound decisions quickly while maintaining focus on the bottom line. Known for creating custom software solutions that solve clients most challenging problems using a combination of industry standard and cutting edge technologies. Exceptional coding skills, make code modifications, practice test-driven-development, and identify, troubleshoot and solve software defects as needed to ensure projects are completed on time and exceed all expectations. Collaborates and leads teams to conduct peer code reviews, make and communicate technical decisions to clients, and impact the direction and end success of a solution. Outstanding presentation and communication skills, capable of working compatibly with stakeholders.

SELECTED HIGHLIGHTS

- Experience working for one of the largest companies in the world Meta (Facebook) developing apps for millions of users.
- Exemplary academic qualifications include a Bachelor of Science (Cum Laude) in Computer Science, Engineering.
- Implemented new systems and processes that improved how the department provided service to the organization and citizens.
- Assisted Project Manager in managerial tasks for the team, including tracking the status of the project, planning next steps, distributing work among peers, checking and testing peers' progress, as well as motivating and solving interpersonal issues.
- Contributed as a Research Assistant at the Vision and Learning Lab (VLL) and Interactive Systems Group (ISG) research labs, working with professional dedicated to the fields of Artificial Intelligence, Computer Vision, and Human-Computer Interaction.
- Mature understanding of the entire development process, including design, specification, documentation, implementation, and testing of web applications.

PROFESSIONAL EXPERIENCE

Meta (Facebook) | Menlo Park, California | 2020 - Present
Full-Stack Software Engineer

Full-Stack engineer at one of the largest software companies in the world. Developed features and new apps used by millions of users with custom technology and following some of the most advanced software development lifecycle methodologies.

- Preventive Health - Developed apps and features to help promote healthy behaviors of Facebook users. One of the biggest efforts was to help fight COVID-19 by providing informational modules as well as developing an app where people could locate a facility to get their vaccine and boosters.
- Meta Brand Experience - Developed in-app features to help improve public opinion about Meta by promoting content about good being done through the app, as well as educating the user about how many small businesses have benefited from using the Meta family of apps. Included some internal applications to manage a database of Small and Medium Businesses.
- Diversity, Equality, and Inclusion (DE&I) - Participated in the DE&I program as champion, discussed potential activities with the organizers, and led activities with other software engineers to promote a better work environment with more diversity, equality, inclusion, as well as correct any internal bias we may not be aware we have.

City of El Paso - Department of Information Technology | El Paso, Texas | 2016 – 2020
Software Engineer

Create and maintain new enterprise level applications supporting the business of local government and to increase access and user-integration capabilities for the citizens of El Paso, Texas. Currently managing 40+ applications used by more than 5K users from over 50 departments. Translate ideas to solutions using prototyping working closer with users to optimize the user experience according to specific needs. Use technical documentation and diagramming to communicate requirements and designs to development team.

- Developed strong working relationship with clients from different backgrounds to learn their business domain and elicit, analyze, and document their needs, designing solutions that exceed all expectations.
- Introduced the software development team to Agile development and Scrum methodologies.
- Implemented, tested, and released the web, desktop, and mobile applications using Microsoft.Net (C#, SQL), HTML, CSS (Bootstrap), and JS (Jquery, AngularJS).
- Collaborated with the development team to define vision and strategy for internal growth and identified improvement opportunities within the department.
- Implemented new systems and processes that improved how the department provided service to the organization and citizens.

Hewlett-Packard | El Paso, Texas | 2013 – 2016
Services Information Developer

Lead a team of six developers in the definition and production of a system used by the Communication and Media Services branch of HP along the whole Americas region that tracked expenditures of Opportunity Managers on acquiring new sales for the organization. Served as a technical manager and resource, providing expertise to the team, identify the problem being solved, and defining the development plan.

- Assisted the Project Manager in managerial tasks for the team, including keeping track of the status of the project, planning next steps, distributing work among peers, checking and testing peers' progress, as well as motivating and solving issues.
- Proposed and implemented strategies to improve team and personal development, and modernize current processes.
- Interacted with international clients and stakeholders to analyze changing client requirements and model the best solution or a plan of action to adapt to the new requirements.
- Documented business needs, requirements, analysis, designs, and implementation with diagrams and technical documents.
- Gathered requirements and design web user interfaces to improve the interaction of the user and our system.
- Provided direct support to users of a production system addressing the issues personally or delegating to other team members.
- Designed, implemented, and maintained databases for various projects using Microsoft SQL Server, Integration Services, and Team Foundation Services following Scrum Agile Development principles.

DATAMARK, Inc. | Juarez, Mexico | 2012
Systems Engineer

Maintained applications used for digital mailroom management, data entry, and document processing (using mostly but not limited to C#, SQL, ASP.net). Worked with clients to gather and analyze requirements.

- Ensured modifications made went through the specified Software Configuration Management protocols.
- Supported testers by providing an adequate test plan for the applications being modified.
- Designed and developed data reports via Business Objects and ASP.net web pages.
- Taught or shared software engineering concepts to team members via individual meetings or presentations.

Research Experience:

Stanford University Computer Science Department, Stanford, California: 2011, Research Assistant, Pervasive Parallelism Laboratory (PPL)

- Tested and debugged a new programming language being developed by PPL called OptiML. Developed required function libraries for OptiML and applications for Android Mobile Devices. Worked with C, Java, and Scala to develop small applications. Presented results of projects to faculty, students, and Army Research Lab personal.

University of Illinois at Urbana-Champaign Computer Science Department, Urbana-Champaign, Illinois: 2010, Research Assistant, Computer Vision Group (CVG)

- Assisted and collaborated with Dr. David Forsyth, students, and another faculty of UIUC on research projects involving information retrieval, natural language processing, machine learning, and computer vision. Presented results of projects to faculty, students, media, and Department of Homeland Security (DHS) personnel.

University of Texas at El Paso Computer Science Department: 2008 –2012, Research Assistant, Vision and Learning Lab (VLL)

- Worked on Computer Aided Cancer Detection (CAD) in mammograms, presenting a poster on CAD at the 2009 New Mexico Bioinformatics Symposium at Santa Fe, New Mexico, as well as scientific papers related to vision and learning to the VLL group.
- Implemented solutions for Morphological Galaxy Classification (MGC), using computer vision and machine learning.

EDUCATION

The University of Texas at El Paso (UTEP)
Bachelor of Science (Cum Laude) in Computer Science, Engineering (3.64/4.0)
Additional Education:

- Software Product Management Online Specialization: University of Alberta [In Progress]

ADDITIONAL CREDENTIALS

LANGUAGES	Bilingual in English & Spanish, Intermediate Brazilian Portuguese
PROGRAMMING	Hack(PHP), GraphQL, ReactJS, C#, SQL, ASP.Net, HTML, CSS, JavaScript, Java.
VOLUNTEERISM	Booth Presenter, STEM Fiesta 2.0: 2015, Technology & Business Consultant for Small Business.
INTERESTS	Videogames, Parkour, Dance, Theater, Ballet, Wrestling, Golf, Travel, Entrepreneurship, Investing.