

Johanna Del Pino

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EDUCATION

New Jersey Institute of Technology

MS in Computer Science
Data Bases & Data Mining

Newark, New Jersey
May 2014

Escuela Superior Politécnica del Litoral (ESPOL)

BE, Computer Science

Guayaquil, Ecuador
September 2011

WORK EXPERIENCE

Verizon Wireless

System Engineer (Customer Care Department)

Warren, NJ
June 2014 – Present

Development Lead

- Coordinate development resources on shore and off shore to meet project deadlines.
- Responsible for release plans and coordinating and executing release support.
- Participate in design discussions with other departments to identify dependencies and coordinate development of new requirements.
- Met with executive director for brain storming sessions to define and gather business needs within our department to execute the Argus Project.
- Coordinate with Data Warehousing department to define analysis scripts and visualization templates.

Full Stack Web Developer

- Maintain and develop front end and backend functionality for Access Web, application that assists Verizon Wireless representatives in call centers (JQuery, J2EE).
- Work in agile environment and participate in the story grooming process using JIRA. Assist business analyst with technical inputs and identification of dependencies for functionality requirements.
- Debugging and fixing of memory issues in JavaScript code.

Benchmarking Testing of MongoDB NoSQL database

- Worked with vendors to setup a MongoDB cluster with high availability and scalability capabilities for benchmarking purposes.
- Executed comparison testing between MongoDB and Oracle.

Port Authority of New York and New Jersey (PANYNJ)

Management Intern

Jersey City, NJ
June 2013 – May 2014

GIS Application Development

- Super Bowl 2014 GIS Web App development for the Office of Emergency Management (OEM)
 - Complete Front end development using HTML, CSS, JavaScript ESRI APIs, JSON and Bootstrap Framework. Real Time Information Display using RESTful web services.
 - Coordinated with OEM to update the App during the week of the event to quickly adjust new functionality requirements.
- Government & Community Relations Map GIS App development
 - Complete Front end development using HTML, CSS, JavaScript ESRI API, JSON and Bootstrap Framework. Real Time Information Display using REST services.

Company Intranet Front End Redesign

- Collaborated with other departments to reflect their structure and services.
- Made proactive, independent design decisions.

ESPOL University, Information Technology Center (CTI)

Research Assistant

Guayaquil, Ecuador
July 2010 – January 2011

- Software Maintenance of SidWeb, official LMS of ESPOL University.
- SidWeb 4.0 development, new version of the official LMS of ESPOL University.
- Technical Support for the Electronic Vote System for ESPOL University elections.

RELEVANT PROJECTS

Argus Project – Real Time User Experience Monitoring

- Study of problem definition, conversion to technical requirements and solution design.
- Developed JavaScript library that collects logs of user and network activity within the application to monitor real time usage trends, resource fetching and AJAX calls performance. The library was built on top of HTML5 API User Timing.
- Developed Streams application that ingest and process logs sent from the browser for long term storage in Elastic Search and real time monitoring of round trip times of application resources and AJAX calls.

Cloud-Based Map Reduce Algorithm using AWS

- Implementation of a cluster using AWS and Hadoop.
- Design and implementation of a Map Reduce algorithm to establish a relationship between Income and Crime per County in the US for 2010.

Course Registration Recommender System for Undergrad Students

- Design and Implementation of a user based recommender system that helped students to decide over the courses they could take in the semester using Mahout Framework.
- Made use of self-directed learning skills at applied concepts from undergraduate studies on a practical level.

COMPUTER SKILLS

Programming Skills: Java, C, C++, JSP, JSTL, HTML, CSS, XML, JSON, JavaScript, J2EE, Map Reduce

Distribute Computing: Streams Processing Language (SPL), Map Reduce.

DBMs: MySQL, PostgreSQL, Oracle

NoSQL Databases: MongoDB

Web Frameworks/Libraries: Bootstrap, JQuery (Working Experience)

Machine Learning Framework: Mahout

Cloud Technologies: Amazon Web Services (EC2, S3)

Operating Systems: Windows, Linux

RELEVANT COURSEWORK

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|--------------------------------|----------------------|
| • Software Engineering | • Project Management |
| • Web Applications Development | • Data Mining |
| • Database System Design | • Cloud Computing |