Michael Jayson C. De Leon

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Work experience

Adchemy, Inc   Oct 2013 — Present

Senior Software Engineer

Crawler (Oct 2013 - Present)

- A Python-based application that consumes customer-specific feeds and crawls customer websites for data extraction of Categories, Products and Facets. All of these are consumed by IntentGraph for graph building.
    - Built a semi-supervised website facet extractor.
    - Built crawler-defined templates for new customers.
    - Developed new features and improve existing ones.

IntentGraph (Oct 2013 - Present)

- A Java-based backend application using Spring framework and Neo4J as persistence storage.
    - Developed new features and improve existing ones.
    - Fixing bugs and performance issues.
    - Wrote Python-based scripts for graph clean-ups and fixes.

Catalog Service (Dec 2013 - Jan 2013)

- A Java-based backend application using Spring framework and Elasticsearch.
    - Developed a test backbone for testing with Elasticsearch.
    - Developed new features and improve existing ones.
    - Fixing bugs and performance issues.

Adchemy Philippines   Jun 2011 — Oct 2013

Senior Software Engineer

Performance, Reliability and Scalability (Jun 2012 - Oct 2013)

A team that concentrates on improving the performance, scalability and reliability of the product application. Developed a disk-based Bloom filter implementation to improve metrics calculation.Fixed performance bottlenecks.Developed PSR Dashboard, a Python-based web application that monitors system performances.Developed the UI from ground up.Developed a log processing backend.

IntentMap Studio (Jun 2011 - Jun 2012)

A Flex application that allows Search Engine Marketers to build Google Adwords and Microsoft AdCenter campaigns using customers' own legacy keywords and product catalogs. Acted briefly as the team's Scrum master. Developed backend code from the ground up.Performed code reviews.Practiced test-driven development and pair programming.

Financial Times Electronic Publishing, Philippines   Mar 2010 — Jun 2011

Analyst Programmer

Data Access Mechanism (Mar 2010 - Jun 2011)

- A web application that allows corporate third parties to access, share and modify customer data

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  - Acted as the developer and participated in an Agile development.
  - Coordinated with London-based team members.
  - Performed code reviews and tasks delegation.
  - Developed and refactored code base to improve application performance.

Pointwest Technologies Corporation   Apr 2006 — Mar 2010
Software Engineer 3

Baggage Tracking System (Apr 2009 - Mar 2010)

- A web application that allows agents of a major US airline to create records and file reports for delayed, damaged and missing passenger baggages.
  - Acted as the onsite/client coordinator, team lead and developer.
  - Performed requirements gathering and technical documentation.
  - Managed tasks and delegation to team members.
  - Performed estimation and impact analysis of change requests.
  - Handled production deployment, testing and technical support.

Flight Operation Tracking System (Apr 2008 - Mar 2009)

- A web application that tracks flight arrivals, departures and irregular activities at different airports.
  - Finished re-architecture of the application in a month. Introduced Oracle as the database layer.
  - Acted as the onsite/client coordinator, team lead and developer.
  - Performed requirements gathering and technical documentation.
  - Managed tasks and delegation to team members.
  - Performed estimation and impact analysis of change requests.
  - Handled production deployment, testing and technical support.

Administrative Workstation (Apr 2008 - Jun 2008)

- A web application that allows managers and administrators to request and print flight details such as passengers and baggage information. Can print bar-coded identification forms that are attached to containers and carts.
  - Acted as a developer.
  - Performed estimation and impact analysis of change requests.

File Mapping Utility (Apr 2007 - Apr 2008)

- A web application that allows users to define vendor-specific custom mappings for creating a generic file format that is consumable by an internal system.
  - Developed the application's backend and frontend code base from the ground up.
  - Acted as the onsite/client coordinator, team lead and developer.
  - Performed requirements gathering and technical documentation.
  - Managed tasks and delegation to team members.
  - Performed estimation and impact analysis of change requests.
  - Handled production deployment and technical support.

Foreign Remittance System (Apr 2007 - Apr 2008)

- A web application for a major bank institution that allows users to create records of their clients and track foreign remittances. It also has the capability to create reports for start/end of day as well as assets and liabilities.
  - Acted as the onsite/client coordinator, team lead and developer.
  - Performed requirements gathering and technical documentation.
  - Managed tasks and delegation to team members.
  - Performed estimation and impact analysis of change requests.
  - Handled production deployment and technical support.

Integrated Underwriting and Medical System (Nov 2006 - Apr 2007)

- A web application that allows underwriters of a major insurance company to approve and reject policies and insurance applications.

- Acted as the onsite/client coordinator and lead developer.
- Performed requirements gathering and technical documentation.
- Performed estimation and impact analysis of change requests.
- Handled production deployment and technical support.

Flight Schedule Planner (Jun 2006 - Nov 2006)

- A web application that assigns fleets to domestic schedules, allowing preparation of scheduling periods and loading relevant data from different airline divisions.
  - Performed bug fixing and development of small change requests.

Technical Skills

Server-side: Java, Python, Spring, Maven, Struts, Django, Flask, Tomcat, Websphere, IntelliJ, Eclipse

Client-side: JQuery, Bootstrap, AngularJS, HighCharts, CSS, JSP, JSTL

Database: MySQL, MongoDB, Elasticsearch

ORM: Hibernate

Test: JUnit, Mockito, Grinder, JMeter, Hamcrest

Others: Git, SVN, Logstash, Redis, Scikit

Trainings

Entry Level Training - Java Bootcamp

- Pointwest Technologies Corporation
- Apr 2006 - Jun 2006

SAP

- Enterprise Portal Administration
- Web AS Java Administration

MongoDB for Developers

- Online training by 10gen, the MongoDB company
- https://education.10gen.com/downloads/certificates/bd2b45e65d9f41a681679486ec7131d0/Certificate.pdf

Education

Bachelor of Science in Computer Engineering   Jun 2001 — Feb 2006

Mapua Institute of Technology

References

References available upon request.