

Fausto David Salazar Mora

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SUMMARY

Software developer with experience in backend, cloud and web applications.

EDUCATION

Master in Computer Science

Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas (IIMAS), UNAM
January 2016

Thesis: Development of a computer program that generates visualizations of combinatorial topology objects for distributed computing.

Bachelor of Information Technology

Universidad La Salle
May 2009

WORK EXPERIENCE

2/16 - present

Oracle Corporation

Software Developer 2 at Database As a Service/ Exadata team

Zapopan, Jalisco

Develop and maintain database backup and recovery automation tools in Database Cloud Service and Exadata Cloud Service virtual machines that are part of the backend infrastructure of Oracle's Public Cloud.

4/12 - 10/12

HCL

Software Design Engineer in Office Tools International team at Microsoft

Redmond, WA, USA

Member of a production support team working in the international versions of the office.microsoft.com portal. Troubleshoot and resolved 90+ front end bugs (XHTML, CSS, JavaScript, Ajax and jQuery), involving different degrees of complexity for the 39 market versions of the website.

2/12 – 4/12

HCL

Web Developer in Commerce Fraud Ops Tool Development

Redmond, WA, USA

Helped in developing a set of fraud prevention and detection tools that were used in online transactions for some of the Microsoft product's websites. Created a web interface using ASP.NET to capture thousands of fraud prevention records of data and store them in a few seconds. Also created database in SQL Server.

8/11 - 2/12

HCL

Front-end Web Developer in Bing Travel UX team

Bellevue, WA, USA

Implemented and tested new features in the Bing Travel Collage feature and Bing Travel website. Proposed, designed and developed an interactive tooltip in JavaScript used to display image copyright information in the Bing Travel Collage feature.

Troubleshoot and resolved bugs related to the Bing Travel front-end. Worked with ASP.NET, C#, JavaScript and Ajax. Worked closely with testers and program managers.

4/10 – 6/11

Hildebrando

Software developer in Insurance Operations offshore team for Esurance Inc.

Aguascalientes

Developed, troubleshoot and tested new features for the Esurance customer website and the internal sales agent application. Worked with ASP.NET, SQL Server and Web front-end technologies.

6/09-4/10	<p>INEGI</p> <p><i>Software Developer at the Human Resources Training department Aguascalientes</i></p> <p>Developer in an online platform to provide courses and training material to government employees. Developed an online tool to design and apply exams in ASP.NET and SQL Server.</p>
8/08-2/09	<p>Mexico City Government</p> <p><i>Intern</i></p> <p>Proactively proposed and worked in the redesign and re-implementation of a poorly designed database that supported an application to process paperwork related to local marketplace licenses. This resulted in ~50% increased response time of the application and greatly reduced inconsistency and redundancy problems in data.</p>

MAJOR SCHOOL PROJECTS

Fall 2014 - Fall 2015	<p>Thesis Project: Conception, analysis, design and implementation of a software tool that generates 3D visualizations of topological objects known as simplicial complexes, which are currently used to study, from a mathematical perspective, problems in distributed computing. Using Java, design patterns, Maven, Git and the 3D mathematical visualization library jReality. First prototypes developed in Python. Program available at: http://www.mcc.unam.mx/~salazar.f/. Source code: https://github.com/fdsmora/DCCT</p>
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TECHNICAL SKILLS

Programming Languages:

• Perl	basic/intermediate
• Python	basic/intermediate
• Java	intermediate
• C#	intermediate
• HTML, JavaScript, CSS, XML	basic
• SQL	intermediate
• C	basic/intermediate

Software engineering best practices

• Design patterns	basic/intermediate
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Frameworks and libraries

• ASP.NET	intermediate
• JQuery	basic
• Spring	basic
• Hibernate	basic
• jReality (Math visualization library)	basic/intermediate

Software development tools

• Git	basic/intermediate
• Maven	basic
• Visual Studio	intermediate
• Eclipse	intermediate

Platforms: Linux, Windows.

DBMS: SQL Server, Oracle (Familiar with concepts and intermediate backup/recovery

skills)