

ANASTACIO A. GIANAREAS

SOFTWARE ENGINEER

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WORK EXPERIENCE

Mobile First Entertainment, Los Angeles, CA

Lead Software Engineer

2015-Present

- Architected MFE software infrastructure for delivering high performance video streaming (HLS) to mobile devices utilizing Microsoft Cloud solutions (Azure Media Services, Azure Blob Storage, Azure SQL, DocumentDb).
- Developed a full stack solution (mfevideos.com) to allow clients to design and create their own mobile application and manage their videos content. (MVC5/WEB API 2 - Dependency Injection, HTML5, JS/ jQuery/Underscore.JS, Azure SQL, NoSQL DocumentDB, Bootstrap) This web portal increases client engagement by having a secure/mobile friendly website to manage their content.
- Developed an IOS Mobile Application (Swift) to consume each client's video streams with an integrated social network (Distributed community). This application allows our users to enjoy premium content directly on their IOS mobile devices.
- Designed and developed a scalable approach by denormalizing our client data (Azure SQL Database) to a NoSql database (Azure DocumentDB) in order to speed up our reading web api's calls. This approach allowed us to scale from an average of ~300 read request per second to over ~40,000+ read request per node. Furthermore, a "Redis Cache" is being planned to optimize performance once it is needed.

Filmtrack Inc. Los Angeles, CA

Full Stack Software Engineer

2014-2015

- Developed Filmtrack's Funding Management System ERP module (FMS) to automate funding allocation for Screen Australia film projects utilizing ASP.NET stack (MVC3/ WCF/ XLST/ AOP (DI) / Domain-POCO - EF5/ MSSQL12/ T-SQL). This new tool allows transitioning from a manual to an automated process while improving funding, management, and transparency of allocated budget given by different entities.
- Engineered a client front-facing web application for potential Screen Australia stakeholders to apply for funding by interacting directly with the FMS-ERP through web services (SOAP) bindings (HTML5/ CSS3/ JS/ JQuery/ MVC3/ WCF/ Domain-POCO), allowing Filmtrack clients to have a central online presence that improves the overall funding request process while increasing market penetration.
- Maintained Filmtrack's current BizAffairs system, which allows contracts creation/management bindings for the film industry in Hollywood (ASP.NET WEBFORMS) while reengineering/developing the new BizAffairs ERP module for the next generation of contract creations (AngularJS/ KendoUI/ MVC5/ Web API/ MSSQL 2012-EF6/ DDD/CQRS/ES / MongoDB). BizAffairs allows entertainment studios legal departments to manage and generate "ad hoc" contracts for different assets while taking advantage of other Filmtrack ERP modules for their film projects.

American Commercial Lines, Indiana

Software Developer

2011-2013

- Advocated for Oracle ADF programming language/framework for ACL reengineering efforts.
- Developed a successful proof of concept utilizing "Oracle ADF" leading to the adoption as the first language for the future of the company.
- Lead Web Engineer for (www.acltrac.com) customer information and reporting website.
- Developed new mapping tools to display ACL assets, customers' cargo, and boats positions across its inland river operations allowing customers to visualize their cargo movement in real-time utilizing "n-tier approaches" with JavaScript as the front-end (Mapbox), restful-web services, and PL/SQL packages.
- Used multiple languages/technologies (JavaScript, T-SQL, .NET, PL/SQL, ORACLE 11G, HTML5, C#, VB6, VB.NET, Batch, etc.) to develop, maintain, and enhance all business process applications.
- Led ACL's Oracle Financial ERP (EBS) "report structure" implementation.
- Reported directly to the VP & Corporate Controller; Managed and oversaw the work of a data-entry intern for our Financial ERP (EBS) implementation.

- Maintained synchronized Oracle EBS, PeopleSoft, and IBIS system (Proprietary software) using PL/SQL scheduler by developing custom batch processes.
- Developed key reports for logistics utilizing Oracle BI publisher and PL/SQL ranging from barge positions to barge projections and nominations.

Copa Airlines, Panama City, Panama

Software Developer Intern

2006-2007

- Participated in the development of a credit card fraud system called 'Fraud Detection Engine', which intercepts booking orders to prevent credit card frauds (C#, MSSQL)

SKILLS

Programming Languages: C#, C++ (Intermediate), JavaScript, Java (non-professional), HTML5, Swift

Platforms and APIs: ASP.Net MVC, Web Pages, AngularJS, PHP (non-professional), NodeJS (non-professional), Scrum, Azure (Storages, Media Services, DocumentDB, Azure SQL, etc), Git, Mac/Windows/Linux

Database Experience: SQL, PL/SQL, Oracle 11g, Mssql - T-SQL, MongoDB, DocumentDB, Azure SQL

Reporting Tools: ActiveReports, Business Objects, Crystal Reports, Oracle BI publisher, Oracle XML Publisher

Driven Interests: Database Design, System Analysis and Design, Web Development, Game Development, Machine Learning, AI, Startups, Algorithms (Graphs, Pathfinding, Dijkstra/A*/Non-Negative-Weighted Graphs, etc), Modern Physics, and Improving my Computer Science skills

EDUCATION

*Bachelor of Science, **Computer Information Systems** - University of Louisville (2011)*

PROJECTS

Center for Nonprofit Excellence: Analyzed and composed a strategic assessment of its current business processes and assets to be used as the bases for a system design and implementation

St John Center: Developed a custom system utilizing Salesforce APEX and PHP for managing daily operations

Project Warm: Composed an UML system analysis and design for development of its custom system

Calories Advisor: Personal C# project utilizing a 3-tier approach, which tracks and predict future weight loss utilizing Harris-Benedict equation

Additional Awards and Achievements: C++ Programming for Game Developers – Module I & II (Game Institute); Delta Upsilon Fraternity – Active Member; Bronze Medal on the National Physics Olympics, Panama City; NBCUniversal Hackathon 2014 – Unity3D Tech Winner; Bilingual: Spanish (Native), English (Fluent)