

# DAVID L. ALAGA

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## EDUCATION

- Front End Web Developer NanoDegree: Udacity (Current)
- Studying for SCRUM Master Certification.
- Masters Science Database Administrator (MSDBA): National University (10/08)
- Masters Science Information Systems (MIS/M): University of Phoenix (06/07)
- Masters Certificate-Telecommunications Infor Resource Mgmt– Univ. Hawaii (05/07)
- Masters Certificate - Geographic Information Systems (GIS), University of Palau (10/05)
- BS Electronics Engineering Technology (BSEET): DeVry University, (10/96)
- Various ESRI on-site training and ArcGIS certificates.

## TECHNICAL EXPERIENCE

- JavaScript, Angular2, Backbone, KnockoutJS, Ember, Node.js, Grunt
- HTML5, CSS Framework (Bootstrap), GitBash, GitHub,
- AWS, Express, Python 3, Spark, PySpark, DataBricks, MongoDB
- ORACLE, MYSQL, PostgreSQL, MongoDB, ORACLE Apex
- ESRI's ArcGIS 10.x, JavaScript ESRI API, Google Map API

## PROFESSIONAL EXPERIENCE

### **Data Architect & Full Stack Developer, Simple Technology Solutions, Dec 2016 – Present**

- Scrum Master training

### **Full Stack Web Developer, October 2013 – Present**

- City of Baltimore, CSI Division to map out incidents and create the ability to analyze the data and watch for trends of certain crimes.
- Jefferson County Fire Department Dispatch log, Beaumont, Texas. Working with Fire chief in GIS driven dispatch system with ability to predict common problems, track workflow and analyze the data.
- Data Analyst, DBA and Web Developer for Ward 7 Voter's Database, curation, warehousing and mining of DC data on voters.
- Consult with local Non-Profit organization in Ward 7 and 8 on optimizing their web pages and analyzing their local membership data.
- Manage Analytics for Malolo Bed and Breakfast to analyze the various travel patterns for the travel shopper and optimized customer booking and reduce bounce rates.
- Use Python as data extraction, scripting and geoprocessing tool.

### **Program Manager, VSolvit, LLC, April 2012 - October 2013**

- Managed the IDIQ Federal contracts for USDA and HUD in Washington DC / East Coast with a staff of 3.
- Lead and guided the development team in working with customer to deliver GIS features.

- Spearheaded the CMMI process as Quality and Configuration Manager to obtain the first CMMI certifications. Increasing chances to obtain more federal and government work.

**GIS Program Manager, Applied Computing Technologies, Sept 2011 – April 2012**  
(FEMA) *Mapping Analysis Center (MAC)*

- Managed and maintained the FEMA contract, customers and sub-contractor's relations
- Increased quality of product by 25% delivered by sub-contractors to client.
- Managed the scope, implementation, cost, schedule, communications, monitoring, and resource management for GIS based services through planning.
- Tracked quality assurance, change control, risk management, and process improvement.

**GIS System Analyst, PenBay Media, (USDA Rural Development) Jan 2011 – Sept 2011**

- Worked on new Rural Development Loans and grants web application that will decrease the amount research time an applicant will have to go through to fill out a form
- Gathered requirements from stakeholders by personal and phone interviews
- Utilized interview notes to create project documentation and create application mashups.
- Used ArcGIS Desktop, ArcGIS Server, ArcSDE Microsoft SQL Server.

**GIS Application Developer, Blue Raster LLC, May 2010 – Oct 2010**

- Built applications and custom map web services using Adobe Flex and ColdFusion
- Used ESRI's Desktop and ESRI's ArcGIS Server and ESRI's Flex API

**ESRI GIS Application Developer (Contractor), Booz Allen Hamilton, Apr 2009 – May 2010**

- Developed the GIS module used to identify and track resources in the field.
- Developed GIS applications using ESRI Flex API and ESRI's ArcGIS Desktop Suite.
- System Administrator and SME for ESRI's ArcGIS Server and SDE Oracle Database

**GIS Application Developer (Contractor) AT&T, Alpharetta, GA Jul 2008 – Mar 2009**

- Developed, Web Applications using Adobe Flex Builder 3 and ESRI's Flex API.
- Built storm module that will alert AT&T Central Offices on how many customers will be affected by an approaching storm. Increasing reaction time by 75%.
- Built supporting module to integrate actions taken to protect and reduce downtime for current subscribers effected by an event. Decreasing outage time by 50%.

**System Engineer, American Samoa TeleComm. Authority (ASTCA), Apr 2002 - Jul 2008**

- Maintained, Monitored and supported the organization's copper and fiber facilities
- Utilized ArcGIS Desktop, ArcGIS Servers, ArcEngine, ArcSDE
- Built a WAP mobile trouble-call application that reduced the time customer support from 2 weeks to less than an hour.
- Built GIS Geometric Network that alerted trouble call team when an outage has occurred in remote locations on the island utilizing electronic signals from line card.

**Broadband Access Network Engineer, Ajilon, Dec 2000 - Mar 2002**

- Planned, designed, coordinated, tested system integrations with telephone companies.
- Helped increased bandwidth for Internet customer by 75% and increase rural customer based by 25%.
- Trained local contractors, sub-contractors and customer on hardware and software.
- Appointed the Subject Matter Expert (SME) for the organization by traveling to help other telephone companies with new technology. Increasing their client services by 25%.

**System Engineer, Nortel Networks, Nov 1996 - Nov 1999**

- Worked with development team in designing, developing and implementing systems

**CAD operator, Intercept Technologies, Inc., Jun 1996 - Oct 1996**

- Created and designed printed circuit boards diagrams using CAD.

**Project Manager / Scheduler, Sable Communications, Nov 1992 - Apr 1996**

- Worked with TRW E911 Olympic project for the city of Atlanta

**Tele-Communications, United States Marine Corps (USMC), Sept 1984 - Sept 1992**

- Managed, designed, implemented, monitored, maintained copper and fiber facilities
- Marine Security Guard (Embassy Duty)