

# **Eric K. Swartling**

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## **Information Technology Professional**

Accomplished and experienced software engineer with a record of achievement managing, developing and implementing many different facets of Information Technology. Looking for an opportunity to utilize my diverse experience and skills to make a positive difference in an organization's development, services and operations.

Experienced leader, technically perceptive and skilled in salient and emerging technologies. Familiar with many "systems, languages, architectures and frameworks". A multi-lingual coder who knows how to remain calm in pressure situations and efficiently manages the circumstances.

Adept strategist who transforms plans into workable solutions. Aligns the development processes with identified requirements and capabilities, resulting in realized cost savings, accelerated performance, flexibility and a competitive advantage. Able to promote group collaboration in a variety of settings, conditions, and environments.

Always diligent, goal oriented, conscientious and dedicated to team growth and improvement. Recognized as an effective mentor with excellent writing, organizational and interpersonal skills. Embraces a "Coders First" mentality. Improves quality, effectiveness and efficiency using management and technology that promotes developer happiness and productivity.

### **Core Management Competencies**

- *IT Process Improvement • Risk Assessment and Mitigation • Operations Architecture •*
- *Client Relations and Collaboration • Infrastructure Development • Configuration, Change and Release Management • Source Control and Task Management •*
- *Visual Studio Team Services • MS Project • SharePoint • Visio • SVN • PVCS • Git •*
- *Unified Modeling Language (UML) • Event Chain • Agile • Scrum •*

### **Technical Proficiencies**

Full Stack Design, Engineering & Development

- *Visual Studio 2015/2017 • C# • ASP.NET Core • ASP.NET 4/MVC 5 • OWIN • OAuth •*
- *Entity Framework • Language Integrate Query (LINQ) • WCF • SOA • REST •*
- *HTML5 • Javascript • JQuery • JQuery UI • Ajax • JSON • Node.js • NPM • Bootstrap3/4 •*
- *LESS • SASS • Grunt • MVVM • Knockout • Angular • React • etc. •*
- *Geographic Information Systems (GIS) • ESRI • ArcGIS Runtime/Mobile SDKs •*
- *Enterprise (ArcGIS Server) • Enterprise Geodatabases (SDE) •*
- *Remote Sensing • ERDAS • CAD • Raster/Vector Image Acquisition/Editing •*
- *Systems Development and Operations • Microsoft Windows Server 2012 R2 • IIS •*
- *UNIX • Linux/Ubuntu/Apache • MS SQL Server /T-SQL • Oracle / PL-SQL • MySQL •*

## Career Highlights

- ✓ Returned to USDA Forest Service to manage new mobile development team of five and life cycle maintenance and support of existing legacy mobile applications. Participated in USDA Forest Service Agency wide analysis of new technology and architecture for mobile application development. (USDA Forest Service/Centuria)
- ✓ Delivered strategic management and leadership to the development of mobile application for inventory and maintenance of all physical assets in the National Forests. Managed up to five developers, two QA and three documenters. Coordinated with the 25 different business area managers. (USDA FS/Salient Design)
- ✓ Managed staff of 5-8 developers and provided mentoring in the transition from 4gl to web based development technologies.(Teleperformance USA)
- ✓ Managed Salt Lake regional office's development practice and 15-30 developers. (Modis Inc.)
- ✓ Principal Partner. (E-Squared Geographic IT Consultants).
- ✓ Senior engineer and manager of GIS application development team of 6-10.(Hansen Information Technologies)

(Please refer to LinkedIn or CV on <https://defaultwebsite.net> for details on positions not listed under recent experience.)

## Recent Professional Experience

**New Amsterdam Ltd.** Salt Lake City, UT 2006 – present

*Hardware/Software research, feasibility, development and testing.*

*Principal – personal business and contract vehicle.*

- Developing creative ideas with salient and emerging technologies.
- **Currently active in Visual Studio (VS) 2015/2017, C#, ASP.NET Core** and associated development technologies.
- Experienced since the first release of VS 2000 and ASP.NET and beyond.
- Multi-lingual coder.
- See <https://defaultwebsite.net> for a portal to articles and code samples illustrating technical skillsets and current activities
- Maintain and manage development operation using VS Team Foundation Services, <https://swarthack.visualstudio.com> mirrored at GitHub <https://github.com/SwartHack>.

**Centuria Corporation** Washington D.C./Salt Lake City, UT 2011 – 2013

*US Government GSA Contractor to USDA Forest Service*

*Mobile Application Development Manager*

- Returned to Forest Service to manage new mobile development team of five and life cycle maintenance/support of existing legacy mobile applications.
- Managed effort interpreting outstanding Business Area requirements, team project plans and tasks; resulting in products that enhance existing program areas' operating efficiency.
- Participated in Agency wide R&D effort of a new architecture and approach to mobile application development technologies: ASP.NET/MVC, Entity Framework, Ajax/Json, Javascript/CSS Frameworks, Bootstrap 1, HTML5, ESRI mobile.

**IMTS LLC** Fredericksburg, VA 2009 – 2011

*US Government Defense Contractor*

*Software Engineer*

- Participated in team design, engineering, construction, testing, deployment and maintenance of **next generation technology applications, used to analyze field data acquired in operational surveillance and reconnaissance missions. Specialized in the**

**IMTS continued**

**integration of GIS technologies and video capture tactics;** providing georeferenced video capabilities and analysis.

- Managed feasibility of design within time and cost constraints. Modeled software with the goal of optimizing operational efficiency. Developed and modified software systems using analysis and models to predict and measure outcome and consequences of design. Accomplished in country deployment within 12 months of project inception.
- Researched and development custom Java plug-in for National Geospatial Intelligence Agency (NGA) RaptorX special operations application.

**USDA Forest Service**

Washington, D.C.

2003 – 2008

***Department of Engineering******Mobile Development Team Manager / Senior GIS Developer***

- Delivered strategic direction and leadership to the development of systems for inventory and maintenance of physical assets of the national forests.
- Managed up to five developers and coordinated with the 25 different application business areas.
- Participated in the Agency wide development of Geographic Information Systems (GIS) integration. Analyzed business and technology challenges, assessed impacts, and recommended solutions.
- Introduced, implemented and mentored .Net Framework/C# and object orient programming.

**Other Career Experience:** Managing Programmer/Senior Analyst - Teleperformance USA; *Development Practice Manager / Senior Consultant - Modis, Inc.*; Principle Partner with E-Squared LLC; *Senior GIS Analyst-Hansen Information Technologies*; and Senior GIS Analyst/Technician for the Digitally Integrated Geographic Information Technologies (DIGIT) Lab, Department of Geography, University of Utah. See <https://defaultwebsite.net> or *LinkedIn* for full CV.

**Major Clients:** USDA Forest Service; Metropolitan Sewer District (MSD), Jefferson County, Kentucky; City of Burnaby, Canada; City of Aurora, Colorado ; Melbourne Institute of Technology, Melbourne Australia; City and County of Honolulu, Oahu, Hawaii; City of Spokane, WA.; Hansen Information Technologies; Salt Lake International Airport; US Soil Conservation Services; Salt Lake City Public Utilities; Utah Travel Council; Utah State Tax Commission; Salt Lake City Suburban Sanitary Sewer District #1; Parsons Engineering (for State of New Mexico).

**Education****Masters of Science, University of Utah***Department of Geography, College of Social and Behavioral Sciences*

**Graduate Research:** “Bilingual GIS: An Industrial Hazards Interface for the US/Mexico Border”. Included the development of a bilingual English/Spanish ArcView interface for the display and query of data pertinent to industrial hazards and evacuation planning.

**Bachelors of Science, University of Utah***Department of Geography, College of Social and Behavioral Sciences*

**Focusing on:** Geographic Information Systems (GIS), Relational Theory, Object Oriented Design, Land-use Planning, Environmental Law and Impact Assessment, Image Analysis, Remote Sensing, Aerial Photo Interpretation, Cartography, Biogeography and Geomorphology.

**Bachelors of Art, University of Utah***Department of Spanish, College of Social and Behavioral Sciences*

**Special studies:** Spanish Culture and language, Basque University, San Sebastian, Spain. **Fluent!**