Scott **Simontis**

SOFTWARE ENGINEER · DEVOPS CHAMPION

Atlanta, GA

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"Move fast & break things...with stable infrastructure."

Work Experience

SoftTech USA   *Norcross, GA*

.NET DEVELOPER   *Sep. 2019 - Nov. 2019*

- Wrote Puppet Bolt tasks, custom resources, and Powershell scripts to automate test environment setup on virtual machines.
- Developed REST API endpoints in ASP.NET to integrate multiple legacy systems into a single system.
- Refactored Entity Framework data layer for our web services to optimize performance and increase developer productivity.
- Gathered detailed product requirements and wrote API specifications, risk management documentation and statements of work to be approved by project manager and CTO.

Scott Simontis Consulting   *Atlanta, GA*

SOFTWARE SYSTEMS ENGINEERING CONSULTANT   *Apr. 2019 - Sep. 2019*

- Led an infrastructure transformation for an online retailer relying upon OpenCart for a multi-million dollar sales stream by hardening Linux environments, tuning Nginx performance, and specifying requirements for new servers and co-location provider.
- Added Multi-Factor Authentication to Azure Active Directory using the Azure AD Graph API and updated ASP.NET MVC front-end and JavaScript Chrome extension to follow new authentication flow.
- Developed MVP for a social network geared towards primary education faculty that incorporated grading and attendance tracking. Created prototype User Interface using VueJS and SCSS. Designed relational schema for application and deployed data model to PostgreSQL 11 development servers.

Regulatory Affairs Professionals Society   *Rockville, MD*

WEB ADMINISTRATOR   *Sep. 2017 - Apr. 2019*

- Developed ASP.NET web parts, REST endpoints, C# services and JavaScript libraries to add new features to Kentico 10 website.
- Audited site performance, resulting in 60 percent drop in page load time and 30 percent drop in bandwidth consumption.
- Guided discussions with senior leadership regarding GDPR compliance efforts and automated opt-in mandates by designing an opt-in management portal in ReactJS.
- Introduced CI concepts to website. Automated front-end asset management with GulpJS, set up build pipeline in Azure DevOps, and began introducing XUnit.NET tests to codebase by refactoring ASP.NET Web Forms pages to comply with MVP pattern.

Intellinet   *Atlanta, GA*

CONSULTANT   *Dec. 2013 - Sep. 2017*

- Constructed REST API integration framework to automate API interactions and simplify integration testing, allowing team to respond within a week when client removed an entire layer of their API.
- Automated Sitecore builds through Gulp task runner and maintained Azure Devops CI/CD pipelines. Wrote deployment runbooks for clients and provided guidance to Operations teams during deployments.
- Wrote modular, ADA-compliant front-end components using SCSS, jQuery, KnockoutJS and QUnit. Created a jQuery-based message passing framework for internal usage.
- Implemented C# batch process to accurately migrate financial records to Great Plains by calling a collection of T-SQL stored procedures. Extended GP functionality by authoring ASP.NET Web API endpoints to support time entry needs and automate payroll processing workflows.

CFSRES Emergency Systems (defunct)   *Remote*

SYSTEMS ENGINEER/DEVELOPMENT LEAD   *Jun. 2015 - May. 2017*

- Modified an open-source Software Defined Radio application written in C to push messages into a RethinkDB instances using ZeroMQ.
- Delivered ExpressJS application that streamed real-time emergency dispatches via Socket.io.
- Designed PostgreSQL database to maintain subscriber info and send SMS alerts triggered by AWS queue and messaging components.
- Deployed and administered AWS LightSail VPS and EC2 instances.

Applied Information, Inc.   *Suwanee, GA*

SOFTWARE ENGINEER   *May. 2012 - Aug. 2013*

- Designed a digital billboard and wrote embedded controller software in C# and Windows 7 Embedded. Established XML subscription format and a scheduling algorithm to drive content display.
- Supervised an overseas team tasked with porting the advertisement scheduling system to Android, which was delivered on-time and within budget.
- Debugged digital sign controller failures occurring on Z80 microcontrollers running MicroC RTOS.
- Wrote a batch process to pull data from a SQL data warehouse and develop custom charts for dashboard systems to alert fleet owners of potential mechanical failures.

Open Source Contributions

DEV.TO

https://dev.to

Content Moderator

May 2019 - Present

- Reviewed articles and comments for compliance with site Terms of Use and community guidelines.
- Encouraged participation by newer members.
- Guided discussion in comments towards constructive dialogs instead of flame wars, personal attacks, or unsubstantiated claims.

Certifications

2015   **Sitecore 8 Professional Developer**, Sitecore

2014   **70-480: Programming in HTML5 with JavaScript and CSS3,** Microsoft Learning

Education

Georgia Institute of Technology

Atlanta, GA

B.S. in Computer Science

Aug. 2009 - May. 2013

- 94/126 credit hours completed.
- Areas of study: Systems & Architecture and Information Internetworks

Research Projects

Vertically Integrated Projects Laboratory: Collaborative Workforce

Georgia Institute of Technology

Undergraduate Researcher

Aug. 2011 - Dec. 2011

- Gathered documentation on the TI DaVinci microcontrollers donated to our program.
- Studied data sheet and reference manual to gain an understanding of the device's dual-core architecture and develop a high-level plan to capture high-definition video signals.
- Maintained Wiki for team and documented all our progress and discoveries for the students taking over the project next semester.
- Researched video output capabilities of device and assisted graduate team members with coding of semester demo, which displayed a spectrogram on screen in real-time.