

Patrick Brandt

Digital Architect/Product Developer

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PROFESSIONAL EXPERIENCE

The Coca-Cola Company

Solutions Architect

Atlanta, GA

2014 – Present

Develop transformational digital products and concepts for Coca-Cola consumer marketing groups

- Designed a machine learning solution for a long-outstanding proof-of-purchase business problem, sold it to the Coca-Cola North American marketing organization, sourced the suppliers and negotiated the contracts for delivery
 - Defined solution using image recognition with a convolutional neural network to extract 14-character product cap codes
 - Led implementation of both a cloud-based API and mobile device SDK for consumer-facing web campaigns and mobile apps
 - Invented a novel machine learning process for proof-of-purchase of consumer packaged goods (patent pending)
- Defined enterprise-scale strategy for AWS serverless application development and deployment, estimated to save 450% over AWS EC2 compute and managed service fees
 - Defined multi-phase roadmap for serverless architecture development and adoption and presented it at the AWS Re:Invent 2016 Conference
 - Launched an open-source organization to support Coca-Cola North America's serverless strategy
- Defined the architecture for the Share a Coke ecommerce platform: directed architectural decisions towards ensuring PCI compliance, fault-tolerance and stability, and platform scalability

Huge

Solutions Architect

Atlanta, GA

2013 – 2014

Defined enterprise-scale architecture for a new retail automotive venture, EchoPark Automotive, and defined the related product vision for a cross-platform digital experience

- Served as the Product Owner within an Agile development process: defined product development strategy, worked with the customer to understand business goals and with Business Analysts to create and prioritize user stories
- Developed architectural assets including: UML sequence diagrams, network diagrams, entity relationship models, REST API documentation
- Product platform encompassed several channels: desktop web, mobile/tablet web, and in-store display

MRY

Technical Director

Atlanta, GA

2011 – 2013

Directed multiple high-profile digital projects for Coca-Cola: defining architecture, writing code, and facilitating communication between client, agency, and multiple client vendors and partners

- Served as technical lead and architect for Coca-Cola + Spotify's Placelists platform
 - Defined system architecture and directed a team of 6 developers (front-end and back-end) through an Agile delivery process
 - Defined technology strategy, liaising with Coca-Cola, Spotify, and MRY staff to communicate technical needs and expectations

- Provided code to both web API and client applications – the platform was built around a .Net MVC web API that serviced a Spotify app and a responsive mobile website built with HTML5/CSS3 and backbone.js
- Served as technical lead for Coca-Cola's Global 2012 Olympics digital campaign
 - Led a team of 5 developers to build Coca-Cola's global "Move to the Beat" digital campaign for the 2012 Olympics
 - Served as the inter-agency technical liaison, coordinating development activities among five different vendors and also served as the primary technical contact for Coca-Cola, consulting with their IT and Marketing teams
 - Architected a multi-channel platform including a market localization framework for the Coca-Cola Olympics website and mobile site (supporting 24 languages)
 - Team won multiple awards: Clio in Digital/Mobile Technique, Mashable Marketing Innovator of the Year, and Mixx Award for Content Marketing

Engauge

Software Architect

Atlanta, GA

2007 – 2011

Led the development of several marquee projects as Technical Lead and Architect

- Technical Lead/Architect for the "Great Aussie Steakout" campaign. The campaign reached a peak of 250k requests/minute to OutbackFreeSteaks.com. Campaign site built on AWS – Amazon published a case study featuring my hosting architecture for the site
 - Technologies: PHP with Code Igniter, Apache, Linux, MySql, AWS (S3, CloudFront, RDS, Route 53, EC2, ELB)
- Technical Lead for the following sites: ruthschris.com, georgia.org, exploregeorgia.org, foodlion.com
 - Technologies: C#, F#, .Net MVC, Fluent NHibernate, SQL Server, NUnit, Moq, jQuery, Elmah, log4net, Hudson/Jenkins, NAnt, Sharepoint 2007 (for georgia.org)

SolTech, Inc.

Systems Analyst

Atlanta, GA

2006 – 2007

- Architected a framework for retail software installed on hand-held devices using the .Net Compact Framework and Co-developed a Windows-based "Client Agent" application installed on Point of Service devices located at Saks 5th Avenue retail outlets across the country

Brandt Information Services, Inc.

Programmer/Analyst

Tallahassee, FL

2004 – 2006

- Developed internet-based employee time-management system for the Guardian Ad Litum division of the Florida Department of Justice; written in C# using AJAX, SQL Server, XSL

EDUCATION

Florida State University

M.S. Computer Science, 2004

Graduate Thesis: *Interaction Design Patterns for Musical Applications*

University of Central Florida

B.A. Liberal Arts with Honors, 2001