Adam Burkepile

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Experience

Amazon *(SDE1, SDE2)*   *November 2015–Present*

- Full stack developer working on the Customer Reviews and Follow retail teams.

Follow an Interest	Project lead for a new feature allowing customers to follow interests. Responsible for creating tasks and estimates, tracking project status, scheduling tasks to other teammates, and implementing the majority of the React Web frontend work.
Specialty Stores	New browsing experience by category. Delivered this high visibility project under a tight deadline. Responsible for frontend work.
Follow MeTab	Project lead without SDM direction on this ambiguous project. Designed the low level strategy and implemented our new Follow widget on the MeTab. Collaborated with TPMs and PMs to structure the user experience, AB test, and gather relevant metrics.
Image Redesign	Led this Customer Reviews project to design and implement a modernization of the customer image gallery entry point.
Video Redesign	After the image redesign was launched, I led the project to architect and implement a new video gallery carousel to help bring the customers supplied videos to the forefront.
Q4 Peak Lead	Led team preparation efforts for Reviews during Black Friday and Cyber Monday. Resulted in what was described as, "the smoothest peak in recent memory".
WSR Expansion	Created procedure and expanded Weighted Star Rating to international marketplaces.

- Identified an API call optimization on the main detail page. Won a Leadership award for reducing API call rate by 90% and saving $450k annually.

- Investigated slow Redshift DB queries and was able to reduce query times to 1/5th of what they were.

- Was oncall during the announcement of a major Log4j vulnerability. Worked on upgrading packages and led coordination of the effort for our team. Resulted in all vulnerabilities closed within hours without incident.

- Technologies used: React Web/Native, Horizonte, Java, Javascript, and many Amazon Web Services (DynamoDb, Lambda, EC2, S3, Redshift, SQS, SNS, Cloudwatch, IAM, etc)

Attunix *(Developer)*   *March 2010–November 2015*

- iOS and .NET engineer focused on mobile development within Attunix's Mobile Practice.

AgX IPS	iPad/sensor solution for monitoring, recording, and mining data for tractor spray systems. Uploads data to a ASP.NET MVC site for viewing and data mining.
McKinstry	Developed a web based mobile app for McKinstry's technicians and customers.
Avanti	Architected and developed Web API's to interact with the mobile app.
Meteorcomm	Helped redesign and build Meteorcomm's public facing website.
Papa Murphy's	Internal Sharepoint training site for Papa Murphy's partners.
HBTI	A complete call servicing iPad app to replace a manual pdf/paper system.
Film.com	An iPhone app for displaying the Film.com website. Included the development of an Objective-C Wordpress API wrapper to get data from the Film.com site.
CoreDocuments	iOS app that connects to SharePoint to browse document libraries and items.

- Technologies used: iPhone SDK, C#, ASP.NET MVC, Redis, SQL Server, Cordova, Service Stack, ASP.NET WebForms, JSON, REST and SOAP Web Services, AES Encryption, CRM Dynamics, and SharePoint.

Experience (Cont.)

Independent iOS Developer   *September 2009–November 2015*

SOCQ	Library I created to simplify querying and filtering data structures such as NSArray, NSDictionary, and NSSet. (https://github.com/acburk/SOCQ)
raywenderlich.com	Created tutorials on Core Data, blocks, and customizing app appearance. Also contributed to two books for user interface customization.
Pocket No Agenda	iOS podcast app that plays the live stream and past shows and sends push notifications when the stream starts. Featured on App Store frontpage under "What's Hot". Top #25 (Grossing US) / Top #35 (Paid US) / Top #10 (Paid International) in "News".
Real Punk Radio	iOS app that plays live stream, access the chat room, and allows song requests.
Police Anywhere	iOS app that retrieves the non-emergency local law enforcement phone number based on current location.

- Technologies used: iPhone SDK, XML parsing, audio downloading and streaming, Geolocation and Reverse-Geolocation services, CoreData, Game Center, and Apple Push Notification Services.

Advantage Factory *(Intern, Developer)*   *April 2009–February 2010*

- .NET engineer focused on ASP.NET and SharePoint.

Fusion Core	Washington State Fusion Center
Fedtrak	Tracking shipments of hazardous material across the US
505th CORE	Scheduling software for the Air Force 505th Airwing

- Responsibilities included (but not limited to): Building webparts, look and feel customizations, forms authentication, web services, workflows, and KPI lists
- Technologies used: SharePoint, ASP.NET, Infopath, Silverlight, WPF, and ArcGIS.

Google *(Student Participant for 2008 Summer of Code)*   *April 2008–September 2008*

- Project was to add subfile support to FFS for the NetBSD project.
- Mentor: Philip Nelson
- Technology used: C

WWU, Computer Science Department *(Graduate Teaching Assistant)*   *September 2007–June 2008*

- Graduate Teaching Assistant for CS101 and CS145: Intro to Programming.
- Teaching Assistant for CS172: Robotics.

WWU, Academic Technology & User Services *(Web Developer)*   *October 2006–September 2007*

- Developed and maintained web sites.
- Managed and administered the Blackboard CMS.

Education

Western Washington University   Bellingham, WA
Masters in Computer Science   *2006–2009*

- GPA: 3.3
- My research was creating a personalized RSS feed aggregator using an Artificial Immune System as the selector system.
- Focus: Cryptography, System Programming, Machine Learning, and Information Retrieval.

Western Washington University   Bellingham, WA
Bachelors in Computer Science   *2004–2006*

Everett Community College   Everett, WA
Associate of Arts   *2002–2004*

Skills

Languages: Java, Javascript, Python, Objective-C, C#, ASP.NET, WPF, C, C++, and PHP

Operating Systems: Linux, iOS, Android, OS X, Windows, and UNIX

Personal Interests: IoT, Cryptography, Image Processing, Information Retrieval, and Alternate User Interfaces