Seattle, Washington, United States
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Adam Porad

Experienced in agile development with Scrum, TDD, pair programming and traditional software development life cycles. Passionate about process improvement and making customer-centric contributions. Proven ability to identify key product requirements early and make solid contributions to design, implementation, testing and operations support. Team player with a broad set of technology skills willing and able to play a multitude of roles on a team when needed. Ability to learn and understand existing code base and new technologies quickly.

Technical Skills

Likes: sql python c# database asp.net tsql sql-server postgresql pair-programming amazon-web-services devops

Experience

Senior Software Developer – MetaBrite   *Feb 2016 → Apr 2018*
python, amazon-web-services, pair-programming, continuous-integration, bash, kubernetes, extreme-programming, scrum, devops, boto3, jenkins-pipeline, groovy

- Worked on multiple aspects of MetaBrite's online processing system that identifies and categorizes consumer purchase data from paper receipts.

- Developed web services and other processes for MetaBrite's mobile receipt processing SDKs using AWS ElasticBeanstalk, Python, PostgreSQL, SQLAlchemy, Bash, Jenkins, Docker, and Kubernetes. Development including writing unit tests and integration tests.

- Used a combination of Agile processes and techniques, including XP, Pair Programming, TDD, Scrum, and Lean. Performed role of Scrum Master. Lead and collaborated on experimenting with and evaluation of processes improvements.

- Worked with AWS services using boto, boto3, command line interface and web console.

- Administered IAM User and Group policy and permissions, S3 bucket permissions include cross-account permissions. Created Health Checks in Route53 to monitor and alert systems using DataDog and CloudWatch. Setup SNS topics and subscriptions.

- Setup operational monitoring of production and development environments. Implemented monitoring and dashboards primarily using DataDog and CloudWatch, as well as Rollbar and PaperTrail. Shared knowledge of DataDog's functionality and usage through creating documentation, brown bag sessions, and just sitting with someone and working together.

- Implemented and managed DevOps processes for engineering team, including build and deployment automation using Jenkins Pipeline jobs. Used RunDeck for automation of our machine-learning jobs.

- Presented a talk titled "What I Wish I Had Known Before Migrating to Jenkins Pipelines" (https://bitly.com/JenkinsTalk) at Seattle Jenkins Area Meetup about my experience implementing Jenkins pipeline jobs which were relatively new at the time.

- Participated in on-call rotation. Responded high priority issues and outages. Coordinated engaging other team members as needed and orchestrating and communication about response and resolution. Facilitated improvement to our on-call processes.

- Winner of Puget Sound Programming Python's (PuPPy) "PyCon Startup Row Pitch Night" (http://bitly.com/StartupRowPitchTalk). Prepared, practiced, and presented a pitch talk and won a booth at PyCon 2016 Startup Row for MetaBrite, where I manned the booth and met and spoke with developers from around the world about the challenges and successes we faced at MetaBrite and about the problems they were trying to solve as well.

Software Developer – Nordstrom   *Feb 2015 → Jan 2016*
c#, sql-server, tsql, selenium-webdriver, specflow, scrum, asp.net

- Idea leader and influencer on a highly collaborative Scrum team.
- Implemented feature enhancements to ASP.NET website used by internal business users throughout the company using C#, T-SQL, jQuery, CSS. Supported and enhanced multiple ETL data processing jobs written in C# and T-SQL. Analyzed web site and ETL applications, using code review and tools such as Splunk and DynaTrace, to indentify improvements and achieve goals of extending their lifetimes and user satisfaction by improving stability, performance and reliability.
- Designed and developed schema changes and new tables, relationships, and stored procedures.
- Wrote documentation and troubleshooting guides to give prod support steps to troubleshoot and resolve known issues, reducing time to resolution of production issues and unnecessary escalations.
- Wrote automated web UI tests using Selenium WebDriver API.
- Provided constructive feedback through code reviews and drove towards improved code quality.
- Suggested and implemented team policies to move towards a DevOps support model and transition towards continuous integration.
- Wrote and refactored automated tests for search platform using Spec Flow.
- Learned how to use Splunk to create queries and dashboards to surface actionable data about the health of the application team owned. Shared learnings with team members through demonstrations and pairing to develop new queries. Evangelized it's use for creating dashboards to improve our monitoring and troubleshooting. Analyzed IIS logs to learn about actual site usage and performance, which drove business decisions on where to spend resources to improve performance and reliability.
- Perform root cause analysis to during production incidents and after the fact to determine cause of production problems by identifying the source of upstream data issue, stalled jobs, and application errors.
- Participate in release planning and "hour by hour" schedules.
- Provide guidance and instruction to non-technical team partners on how to identify data issues and troubleshoot problems.

Software Development Engineer – Expedia   *Jun 2010 → Nov 2014*
c#, t-sql, asp.net, sql-server, batch-file

- Developed feature enhancements to internal web applications in Classic ASP and ASP.NET. Developed feature enhancements to C# applications that interact with the SharePoint object model. Created and updated TSQL stored procedures and queries for SQL Server.
- Introduced Agile practices to semiannual development project for an internal application which had been following waterfall pattern. Practices included prioritized backlog, weekly sprints, retrospectives, and task board. This provided insight into the progress the team was making, and allowed us to include lower priority backlog items that were not going to be included in release.
- Worked with internal client teams to understand, develop, design, build and maintain applications to fulfill business requirements. Provided suggestions and technology guidance.
- Led the development effort to migrate jobs from outdated scheduling system to BMC ControlM Workload Automation. Worked with other teams in the company to develop common functionality and mentored junior developers.
- Developed and supported integrations to Clarity PPM SaaS application. Integrations used C#, SQL, Clarity's XOG and SOAP web services to manage resources, licensing and other information, and pull data for financial reporting.
- SME for troubleshooting and resolving issues with Clarity PPM application and integrations. Wrote deployment procedures for Operations team.
- Created documentation of existing TSQL process for creating data feeds for external vendors.
- Wore many hats in order to support understaffed Collaboration Tools team and filled many roles from application and system support, planning and coordinating upgrades of enterprisewide third party applications (including Confluence, Mingle, iGrafx, Chatter), presented planned changes to companywide Change Advisory Board, worked with Operations Architect to redesign Mingle application cluster.
- Developed SQL Server Information Service (SSIS) package to pull data from a SaaS application SOAP web service and store the data in database tables to be used for analytic reporting. Used Dataflow, Script and Send Mail tasks and Script Components.
- Use my software archaeology and sleuthing skills to learn how legacy systems work in order to add new functionality.
- Engage with users to discuss desired functionality of Confluence and SharePoint web pages, and propose solutions that satisfy their requirements.
- Troubleshoot user error reports for Confluence and SharePoint web sites. Communicate with users to diagnose, find and fix problems.
- Actively participated in improving support model for handling administrative and technical support requests for collaboration tools team supported for companywide use.
- Positively influenced the team by leading review of Employee Engagement Survey results and helped drive morale improvements across org by participating on the "Fun Team" Committee. Made interdivisional contacts and gave our team a personal connection to other groups in the division.

Software Development Engineer in Test – Vertafore   *Jul 2009 → Jun 2010*
c#, sql, testing, visual-studio-team-system, qa, scrum

- ScrumMaster and team member on a team adopting Scrum. Coached team on Scrum principles.
- Responsible for building internal tools to support company's SaaS products.
- Built and managed virtualized test lab with Hyper-V and SAN storage.
- Implemented 1-click build and deploy scripts that could target different testing environments to install code to.
- Found and fixed bugs in product code for Silverlight UI, C# Windows service and T-SQL stored procedures.
- Contributed and made critical design decisions on new functionality of workflow engine built by team.
- Wrote documentation for environment build-out and deployment.
- Provided guidance to developers on the basics of writing unit tests.
- Responsible for Scrum team's testing efforts.
- Wrote Acceptance tests for user stories.

Software Engineer – BuddyTV.com   *Sep 2008 → May 2009*
c#, asp.net, sql-server, email, email-spam, socialnetworking, ajax

- Subject matter expert (SME) for email notification system that served over 2 million users. Loosely coupled system of multiple C# applications, T-SQL stored procedures, and SQL Jobs that identify, schedule, and send event and behavior triggered emails. System functionality included honoring users' opt-in/opt-out preferences, unsubscribing, processing email bounces and spam notifications from multiple feedback loops from major ISPs using IMAP.
- Responsible for development of new features and bug fixes of social networking website. Features developed using C#, ASP.NET, AJAX and SQL. Identified existing bugs and areas for improvement or refactoring.
- Developed tables, indexes and stored procedures for SQL Server database backend.
- Made measurable increase in delivering email to site's most active users by designing and implementing segmentation of mailing list. Accomplished by performing analysis of email deliverability and campaign tracking tools.
- Administered MTA software PowerMTA. Reduced maintenance by streamlining configuration. Identified features to simplify configuration while also enabling more complex configuration rules. The end result was the ability to better fine-tune settings to improve deliverability and provide delivery statistics.
- Implemented continuous integration builds using VBScript and DOS command, email notifications with file versions and build errors. Scripted build archiving and retention policy and monitoring of scheduled processes.

Senior Software Engineer – GlobalScholar.com   *Jul 2007 → Sep 2008*
c#, asp.net, tsql, sql-server, ajax.net

- Developed ASP.NET website with C# and the ASP.NET AJAX framework and SQL Server backend.
- Led development and maintenance of private label version of tutoring platform.
- Refactored existing web services and controls and designed new controls to work correctly with GlobalScholar.com and private label versions of platform.
- Constructed C# web services using Service Factory following service oriented architecture (SOA) design.
- Wrote T-SQL stored procedures used for web services that retrieved data stored in database.

Software Development Engineer – drugstore.com   *Jun 2006 → Aug 2007*
c#, asp.net, vb6, plsql, oracle, asp

- Developed ASP.NET application used daily to provide information about purchase order information.
- Wrote and updated PL/SQL stored procedures and packages for Oracle database.
- Maintained and developed new functionality for VB6.0 client application used internally by multiple business teams.
- Responsible for troubleshooting unfamiliar, under-documented legacy systems consisting of shell scripts and applications written in Pro*C running on Tru64 UNIX.
- Supported business users by investigating data abnormalities and providing data reports as requested.
- Wrote team's functional specification for Dropship Project. Detailed the work required for multiple systems which was implemented by myself and other developers. Helped project succeed by working with other development teams and QA team to make sure that integration with website product catalog and order processing were spec'd appropriately and was able to identify areas that required more detail or coordination between teams before development started.
- Interviewed candidates for Dev and QA positions.

Software Development Engineer in Test – drugstore.com   *May 2005 → Jun 2006*
c#, qa, asp, testing, stress-testing, plsql, vb6

- Implemented and executed automated testing using Mercury Quick Test Pro.
- Identified bugs in production code by code review and provided feedback regarding code quality to dev team.
- Initiated load and performance test planning. Made initial project proposal to management. Researched and made recommendations for commercially available software tools, vendors, and hardware requirements.
- Wrote test plans and test cases for e-commerce website, order processing systems, billing systems and internal tools.

Software Development Engineer in Test – Microsoft   *Oct 2001 → May 2005*
c#, sql, sql-server, automated-tests

- Automated tests in C# for website UI, web services, data access and infrastructure including performance counters and logging.
- Contributed to development and maintenance of C# test framework used for automated web testing.
- Identified need for and developed mock web services which kept testing on schedule by reducing dependencies and enabled testing of various error conditions.
- Debugged production code to find source of bugs to provide developers with complete information.
- Increased product quality by code reviewing both production code and test tools written by Dev and QA teams.
- Improved quality of SDK by working with technical writers to provide system documentation and editing drafts.
- Mentored SDE intern. Responsible for providing guidance and mentoring. Conducted weekly 1:1 meetings. Provided feedback on programming projects. Evaluated performance and conducted formal performance reviews.
- Wrote test plans and test cases for website, web services, T-SQL stored procedures, setup and deployment
- Reduced project development time by finding many spec level bugs at early stages of the product cycle.
- Investigated and resolved live site issues and bugs in challenging environment with limited access.
- Investigated problems customer-partners encountered when integrating with MSN Wallet checkout service. Quick responses helped partners keep on schedule. Found bugs with partner integrations.
- Resolve integration issues between MSN Wallet and MSN Shopping's web services.
- Reviewed and made recommendations for Standard Operating Procedures (SOPs) for protecting sensitive Personally Identifiable Information (PII).
- Evaluated tools to be used in test framework, such as test case managers, static code analysis, code coverage.
- Participated in product planning meetings and requirement gathering with internal partners.

Software Development Engineer – drugstore.com   *Apr 1999 → Jan 2001*
c++, asp, html, web, ecommerce

- Developed C++/COM middle-tier to facilitate prescription processing and communicate prescription information, order details and patient information between website and pharmacy dispensing system located in remote distribution center. Stored and retrieved data from an Oracle database. Investigated critical problems on live site.
- Developed ASP front-end prescription acquisition processes including insurance verification, patient medical history acquisition, and payment pre-authorization.
- Integrated with Rite-Aid's system to create an online prescription refill system where a request could be made to fill a drugstore.com or a Rite Aid prescription, and have it ready to be picked up at any Rite Aid location within 2 hours. Required real-time communications with Rite Aid's mainframe to provide immediate validation of prescription requests and coordination of online payment.
- Responsible for diagnosing customer problems called in through the customer service center. Worked with team members to figure out how to reproduce customer problems and solve them in very time critical situations (e.g. customer needs medication).

Education

B.S. Computer Science – Western Washington University   *1994 → 1999*

Minors in Physics and Math

Certifications

Certified Scrum Master   *2010 → Current*
scrummaster, scrum, agile

Toastmasters Competent Communicator Award   *2013*
public-speaking, communication

Projects & Interests

Stack Overflow – https://stackoverflow.com/users/21353/adam-porad   *Sep 2008 → Current*

Written 116 answers. Active in datetime, sql, sql-server, tsql, batch-file and 1 other tags.