**Sydney Randall Polk (Syd)**

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**SUMMARY**

Seasoned software developer and manager with experience in all aspects of software development. Amateur baseball analyst.

**EDUCATION**

Rice University, Houston, Texas - Bachelor of Arts in Computer Science.

**BASEBALL**

* Project Scoresheet 1987-1990 – Scorer for Houston Astros 1987-1988, San Francisco Giants/Oakland Athletics 1988-1990
* Project Retrosheet 2000 – Input games into Retrosheet system from original press scoresheets for Houston Astros, 1973 and 1974 seasons.

**EMPLOYMENT HISTORY**

**Indeed, Inc., Austin, TX**

**Senior Software Engineer,** April 2016-present

*Senior Software Engineer, Mobile Applications, April 2022-date.*

* Established an on-call system for mobile engineers based on a Datadog-based monitoring system for our mobile native applications.
  + ~30 engineers in on-call rotation
  + Developed Datadog logging and metrics in the iOS Job Search
  + Developed runbooks and dashboards as resources during on-call events.
  + Detected 3 events that were only evident in the iOS Job Search application.
  + Detected 4 events that were Indeed-wide before any server side alerts were sent.
* Developed user-facing native features using SwiftUI and GraphQL.

*Site Reliability Engineer (1 quarter rotation), April-July, 2021.*

* Measured a highly used service for latency and availability. Showed with instrumentation and Datadog metrics that the service was not ready to have a Service Level Obligation established.
* Worked with other SREs to write a tutorial about Kubernetes for the SRE organization.

*Software Engineer, Job Search Native API – November 2018-April 2022.*

* Developed and evangelized GraphQL technology within Indeed. Implemented GraphQL-based microservices. Converted existing microservices from REST to GraphQL. Developed demonstration GraphQL clients. Advised and mentored other teams implementing GraphQL.
* Split a small but important service from our main job search webserver for use as a microservice. Designed, wrote, and deployed to QA. Service handles several million requests a week that would have otherwise been handled by the jobsearch server, decreasing request latency and memory pressure. Handles 100M+ requests/month with an internal latency average < 100ms, and availability 99.0%
* Developed high-volume client logging library using Kafka that can handle tens of millions of logs per day from native applications such as GlassDoor and Indeed Job Search.

*Software Engineer, Job Search Front End – April 2016-November 2018.*

* Designed and developed features for the IOS Job Search app from Indeed. Reduced crash rate by 5x.
* A/B testing of various features on the job viewing web page; increased user engagement 5-8%.
* Made build system improvements that resulting in our builds being 25-30% faster.
* Participated in hundreds of onsite interviews for potential candidates to work at Indeed.

**Mozilla, Inc., Mountain View, CA**

**Technical Lead, Platform QA,** April 2014-April 2016

**Klink LLC, Austin, Texas**

**Mac OS X Programmer,** August 2013-April 2014

* Used Objective C, Python and PyObjC to develop user interface for cloud syncing application.
* Used Python to implement syncing via RESTful interfaces.
* Reduced open bug count by 80%.

**Spawn Labs, Austin, Texas**

**QA & Release Engineer Manager,** September 2012-August 2013

* Standardized builds of embedded operating systems and software for Android, Embedded Linux, Windows 7, and standard Linux using yocto, repo, Android SDK, Java/ant, Visual Studio/msbuild.
* Developed automation of RESTful network services using vagrant, virtualbox, and ruby as part of continuous integration using Jenkins.

**Rock Systems, Durango, Colorado**

**Consultant – iOS Development,** April 2012-August 2012

* Identified and fixed 80+ defects in Airborne Media Groups’s Audio Air app, including many crashing defects that would have been triggered within 5 minutes of launch.
* Added a DirecTV channel display feature.
* Version 1.3 shipped in the App Store in September 2012.

**Coverity Software, San Francisco, California**

**Senior QA Manager and QA Architect,** July 2008-May 2012

**Lombardi Software (now IBM), Austin, Texas**

**QA Manager**, May 2006-June 2008

**Apple Computer (now Apple, Inc.), Cupertino, California**

**Xcode Tools QA & Integration Manager**, May 2001-April 2006

**Red Hat, Inc., San Francisco, California**

**Cygnus Solutions, Sunnyvale, California**

**Engineering Manager**, November 1997-May 2001

**Sun Microsystems Laboratories, Mountain View, California**

**Member of Technical Staff**, March 1996 to November 1997

**Claris Corporation (now Claris International, Inc.), Santa Clara, California**

**StyleWare, Inc., Houston, Texas**

**Software Engineer**, May 1987-March 1996

**SKILLS**

Swift , SwiftUI, Java, Python, Spring, Spring Boot, Graph QL, Apollo Federation, Kubernetes, Docker, Datadog, Datadog APM, Terraform, RESTful APIs, Objective C, Javascript, HTML, CSS, Django, C, SQL, Perl, Tcl, Ruby, C++, Xcode, Eclipse, Mac OS X, iOS, Unix, Linux, Windows, Visual Studio, IntelliJ, Pycharm, cvs, Subversion, Perforce, git, Bitkeeper, Mercurial, gcc, Jenkins, VMWare, Cocoa, Bugzilla, JIRA, Radar, yocto, repo, vagrant, Docker, VirtualBox, MySql, PostgresQL, AWS