NATHAN BOYD

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SUMMARY

Software engineer with over 20 years of experience providing technical expertise and solutions to production-support environments. Proven ability to mentor and motivate team members in meeting specifications, completing projects and achieving deadlines. Characterized as a self-starter; an individual committed to creating solutions, growth of self and others, and possessing the ability to apply current technologies that translate business needs into reality. Primary focus is mobility.

CORE COMPETENCIES

- Swift, Objective-C, Cocoa
- .NET Core/Framework Architecture (C#)
- Angular 5.0+, JS, TypeScript, RxJS, REST
- ArcGIS Widget Development Using JS
- Visual Studio (Xamarin), VSCode, Xcode 8.0+
- Test Driven Development, Agile, SCRUM

- SQL Server / Reporting Services, Oracle
- Cloud: Azure DevOps and Firebase
- SCM: Git, Subversion
- MDM: AirWatch, AppCenter and Azure
- CI / CD via Azure DevOps Pipelines
- Excellent Communication Skills

MOBILITY EXPERIENCE AND APP HIGHLIGHTS

- Currently work with a group of developers (contractors and fulltime employees) focusing on our ongoing mobile develop effort. Technologies include Ionic, Visual Studio (Xamarin) or Xcode for mobile applications. Backend services are creating using .NET.

- Established mobile development standards to be used across the company. These standards included best practices for development, security, CI and deployment.

- Solely responsible for apps written natively in iOS (using Swift).

- Held presentations for our IT department to further their knowledge about mobile development and make them aware of our capabilities, what we can do for them and how to properly request mobile applications.

- Engaged with our IT team overseas (South America and Oman). Held monthly presentations and lunch and learns to enhance their mobile development skills. Helped the overseas teams with maintenance and deployment of mobile applications written by 3rd party vendors.

- Participated in code reviews, and SOX related audits of web apps and mobile applications. Responsible for the remediation of deficiencies found. (Internal audits as well)

- Participated in detailed requirements gathering, project kickoffs, SCRUM related meetings, and the creation of project roadmaps. Interacted with other teams (business units) for resolving issues, reaching goals and assisted in the overall growth for the teams and company.

- Mentor junior developers and interns. Assigned challenging tasks and assisted in their progression and overall development growth.

- Participated in Oxy's college recruitment trips. Traveled to different universities to help recruit college students for possible internships or job placement at Oxy. Also, participated in interviews of perspective hires (contractors and fulltime employees).

SportDx Mobile | SportDx   2018

Sole developer for the native iOS application (written in Swift 4). Collaborated with UI/UX, backend and other teams during development and testing. These teams were at different locations around the world and used collaboration tools to get work done (i.e. GitHub, Invision, Slack, Trello). Responsibilities included but not limited to: app provisioning, deploying test builds to testers, and iTunes Connect configuration.

Recruitment Tool | Oxy   2017

Lead/Sole Developer: A native iOS iPad application written in Swift 4. Multiple iPads were used to capture student and recruiter questionnaire data. The data was continuously synced between all iPads. At the end of the day, data was uploaded (via a web API) to a central server. Created SSRS reports for the University Relations group to review.

Well Tracking System (Mobile) | Oxy   2018

Lead Developer: A mobile application available for iOS that was created using Visual Studio 2017. Previously, users in the field would have to inspect locations (wells) and record their findings on paper. Then afterwards, relay those findings to an employee in the office via phone. This app enhances productivity and saves time since all data capture and syncing is done electronically.

QA/QC (Quality Assurance / Quality Control) | Oxy   2018

Lead Developer: A mobile application available for iOS that was created using Visual Studio 2017. This application gives users the ability to create checklists that are highly customizable to fit the need of a particular business unit. This replaced a 3rd party application that was deemed expensive and too difficult to customize for business needs.

Lead Developer: A mobile application available for iOS and Android that was created using Xamarin Studio (and now maintained in Visual Studio 2017). This application saved the company thousands of dollars by easily identifying and geo-tagging equipment in the field that can be used at other facilities. In the past, equipment was bought not knowing the company may already have that particular item at another location.

Other Apps Created (but not limited to)

Approver Vendor List iOS – Xamarin Studio 2016 Oxy	Ship Point Mobile iOS – Xamarin Studio 2016 Oxy	Bit Imaging Tool (BIT) iOS & Droid – Xamarin 2016 - 2019 Oxy	eP2 iOS & Droid – Xamarin 2015 - 2019 Oxy
Estimate Tracker iOS – Xamarin 2015 - 2019 Oxy	Venting iOS – Xamarin 2015 Oxy	EOD iOS – Xcode 2015 Oxy	Let's Dance iOS – Xcode Summer 2020 App Store (Summer 2020)
Local Installed Options iOS – Xcode 2014 Friedkin (Lead Developer)	Memoria iOS – Xcode 2013 Zalem Solutions App Store (2013-2015)	Christmas For Friends iOS – Xcode 2015 Zalem Solutions (privately distributed)	Knibbler iOS – Xcode 2011 They Creative, Inc. App Store (2013-2015)
(*more information available upon request*)			

ANGULAR EXPERIENCE

Company decided to use Angular as the technology going forward for mobile and web development. Attended off site training to learn Angular technologies. Project highlights include but not limited to:

- *eP2*. This web application is used to track job observations completed by Oxy employees. Observations can uncover behavior that is appropriate for the job task or behavior that needs to be changed to prevent an incident from happening. If an observer notices behavior that needs to be corrected, they now have an avenue to alert management. Responsible for coding new features, deploying and maintaining support. Angular 1.5 application that is used globally.
- *Lease Tool Management*. This web application facilitates identification of applicable assets and leases to be used by accounting. Users can analyze data, provide input, correction and view reporting. This is a global solution that is used by all business units within Oxy. Responsible for coding new features, deploying, continuous integration and maintaining support. Angular 7 application that is used globally.
- *Work Breakdown Structure Finder*. This web application is a vital tool used by business units to provide users quick access to the work breakdown structure. The tool also helps users find related SAP project information for legacy projects. Angular 7 app that interfaces with SAP via a .NET core web API & Hana client. Uses material design and ag-Grid to display complex results. Responsible for coding, testing, ci/cd and support.
- *Flight Plan*. A web application that allow engineers to streamline the process for creating the design and will auto-generate the completions procedure for a well. By treating data as an asset, data quality can be improved, which will thereby increase the usefulness of the analysis. Also provides a single system of record that increases general accessibility to the data. New projects will no longer have to manually consolidate data across several systems, isolated spreadsheets, or the inboxes of individual personnel. Angular 7 application that uses material design, and ag-Grid heavily. Frontend interacts with a .NET core web API on the backend. Responsible for coding, testing, ci/cd and support.

.NET EXPERIENCE

Currently responsible for creating new mobile and web solutions for various business units. Also, responsible for supporting and/or rewriting legacy applications. Mentoring junior team members on various projects, technologies and company processes. Working with a variety of customers from multiple business units to gather requirements, support existing systems and build better relationships with IT and the business. Project highlights include but not limited to:

- ***Oxy Authorization System (OAS).*** OAS (Oxy's Approval System) is a custom built ASP.NET MVC web application that provides a single place for searching information on the financial approval authority of Oxy's employees, where applicable. Other associated information such as delegation, exceptions and footnotes relating to approvers is also maintained in OAS. Additionally, OAS provides approval authority data through backend integration to other systems such OneOxy, SAP, GlobalExpense, eCounsel, TeamConnect and Bid Waivers.
- ***License Management.*** This ASP.NET MVC application is to reduce potential costs by improving the usage of high-cost based application licenses across Oxy and improve software usage efficiencies. The application will automate the monitoring/management of license usage by providing usage data analytics to users and managers. In addition, an email notification system is implemented to alert abuse of expensive licenses across the enterprise.

Senior Developer | Friedkin   May 2014 to December 2014

Served as a senior software developer. Rewrote two legacy applications to newer ASP.NET technologies. Worked with various groups to research and implement a better SCCM (System Center Configuration Management) solution – replacing IBM's ISM with ServiceNow.

Senior Programmer Analyst | Energy Transfer   September 2007 to May 2014

Served as a lead programmer in a dynamic environment that is responsible for the development, maintenance and careful watch over new and existing applications pertinent to the company's natural gas pipeline applications. Worked independently or with others to gather and analyze business requirements, develop new solutions and assert the overall experience for improvement of quality in future products. Implemented coding and database standards. Lobbied for and moderated code reviews. By example, influenced team members to use TDD (Test Driven Development) for their future applications. Attended technical conferences and other off-site training to further enhance development skills in order to apply toward future assignments, personal growth and mentoring fellow developers. Project highlights include but not limited to:

- ***Qualifications Database,*** Developer. In-house web application responsible for tracking and maintaining real-time information pertaining to field personnel qualifications. Field personnel must be qualified to perform certain pipeline related tasks (whether they are routine or emergency). System is critical for providing information necessary in identifying who can work on certain tasks (which follow federal and regulatory guidelines) and monitoring their progression in such tasks. Application houses all historical information pertaining to qualifications and is responsible for creating mandatory subsequent evaluations required by federal guidelines. Created additional web and window services to integrate with different 3rd party applications -- which eliminated the cost for outside consulting and maintenance fees.
- ***Operations Audit,*** Developer. Took a legacy application (client-server) that was discarded due to the unavailability of the original creator and the intimidation it perpetuated due to its complexity. Worked solely and diligently to analyze and alter the application which resulted in a fully functional restored application. At that time, an application that no one even wanted to discuss was now being sought by different departments to use for internal audits. The revived application frees precious manpower and saves thousands of dollars from potential rewrites or outside consulting.

Past Experience (1998 to 2007)

- ***Stewart Title:*** Programmer Analyst (2001-2007, Houston TX)
- ***Tenaid***: Web Developer (2000-2001, Houston TX)
- ***Galactic Technologies***: Application Developer (2000, San Antonio TX)
- ***CTREC***: Application Developer (1999, Houston TX)
- ***Grace Davison***: Application Developer (1998, Carlyss LA)

EDUCATION

BS, Computer Science (Mathematics Minor) 1997
McNeese State University, Lake Charles, LA

Certifications

- Microsoft Certified Application Developer (May 2003)
- Microsoft Certified Solution Developer for .NET (May 2003)