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FULLSTACK SOFTWARE ENGINEER
Specialized in Front-End Development

Results-driven fullstack software engineer with extensive front-end development experience in implementing and delivering software solutions for sophisticated mobile-friendly web applications that utilize open source and enterprise technologies to improve the overall user experience.

Technical Summary

- **FRONT-END**

JavaScript (ES5/ES6), TypeScript, HTML5, CSS3, Vue, Angular, RxJS, jQuery, LESS, SASS, Bootstrap, Hapi.js, Handlebars.js, UX, JSON, Grunt.js, SmartClient, Ext JS, XML, SEO, AJAX, JSP, Sails.js, YUI, Prototype JS, ICEfaces

- **TOOLS**

Terraform, Circle CI, AWS Codebuild, Continuous Integration, Jenkins, NPM, Git, Visual Studio Code, WebStorm, IntelliJ, MySQL Workbench, JIRA, TFS, Eclipse, CVS, SVN, Apache Ivy, Maven, SourceForge, ADS, MS Office Suite, Photoshop, Google Analytics

- **MIDDLE-TIER**

Node.js, Java, J2EE, Servlets, JavaBeans, OOP, REST, Hibernate, Hibernate Search, Apache Tomcat, C#, Perl

- **BACK-END**

Docker, UNIX, SQL, MySQL, DB2, Amazon Cloud based infrastructure AWS (RDS, Route 53, Elastic Beanstalk, EC2, S3), Sybase

- **TESTING**

Jasmine, Ava, Mocha, Chai, Tap, TestDouble, Rosie, Faker, Chance, Sinon, Selenium WebDriver, Junit

Professional Experience

SEP 2016 – PRESENT (2+ YEARS)

Senior Software Engineer / Mindflash, Remote

Contributed in the replacement of the trainer and player apps for a learning management system with the latest technologies to provide users with a more streamlined flow and intuitive user interface.

- Implemented the redesign of the training content platform and player app to attract new and larger enterprise customers (Angular, RxJS, TypeScript & Vue).
- Identified common pieces across 7 different question types in the trainer and player apps and centralized their implementation using the DRY principle to write it once and function for all (Angular, Reactive Forms & Vue).
- Implemented auto scrolling as a directive for the drag and drop function which is used in multiple places across the trainer app (Angular & TypeScript).
- Debugged and fixed multiple major issues with the migration scripts to handle a massive customer data migration from the legacy schema to a new and better schema for over 1000 customers (Node & UNIX).
- Raised test coverage of the migration scripts from 0% to over 95% to verify business rules, add more confidence, make it more robust and guard against regressions while fixing bugs (Node, SQL & UNIX).
- Added several frontend & backend unit tests to keep testing coverage at a healthy level above 90% across the codebase (Jasmin, Chai, Tap, Ava, TestDouble, Faker & Rosie).
- Led efforts to successfully migrate all existing 35,000 PDF/Word documents previously uploaded with the older version of Box API with zero customer impact (Node & SQL).
- Led efforts and made changes to bring PDF/Word document upload mechanism in-house to save on costs of using a third party provider upwards of \$60,000 a year (Node, SQL, JavaScript & AWS).

MAR 2015 – SEP 2016 (1 YEAR, 7 MONTHS)

Project Lead – Senior Software Engineer-WEB / GEE, Miramar, FL

Implemented a reduced bandwidth hard paywall application for shipboard users to sign up, purchase internet packages and get online.

- Completed a full front-end overhaul of the legacy portal application for users to get online while at sea (JavaScript, AngularJS, Bootstrap & LESS).
- Reduced amount of API calls from sea to shore for UI components and frontend functionality by 90% (JavaScript, jQuery & AngularJS).
- Made the app responsive for hundreds of mobile devices and skinnable for thousands of customers across 186 ships (CSS, Bootstrap, SASS & Grunt.js).
- Forked open source JavaScript plugin and enhanced it to support configurable properties to handle 6 different components.
- Increased backwards compatibility to include 40% more devices by using cookies and precompiled HTML templates server side (HapiJS, Handlebars).
- Reduced page load time from 5 seconds to milliseconds over low bandwidth connectivity by precompiling the HTML templates and deploying them on the ship (HapiJS & Handlebars).
- Reduced app footprint by 60% to accommodate bandwidth restrictions over satellite and provide a consistent user experience.

APR 2012 – MAR 2015 (3 YEARS)

Start-up Co-Founder – Front-End Developer / Juxappose, Remote

Designed and developed a full-fledged web application from the ground up into a fully working product to help consumers find and buy the best smartphone.

- Designed application to have zero down-time and no DB dependency by implementing caching strategy deployed on the cloud.
- Optimized the search results rendering for hundreds of tiles from half of a minute to milliseconds.
- Reduced creation of duplicate data by millions of rows by normalizing and optimizing the data model design.
- Designed and developed a UI tool for data entry that cut entry time by 80%.
- Re-architected search results to render grouped data to reduce results by 90% and improve user experience.
- Led and implemented a full UI overhaul in under a month working with offshore graphic designers.
- Held dozens of one-on-one feedback sessions to observe user interaction with application while implementing requested functionality

MAR 2005 – MAR 2012 (7 YEARS, 1 MONTH)

Tech VP – Lead / Analyst Developer / Goldman Sachs, New York, NY

Worked in several technology teams of this financial firm, filled multiple roles and interacted with several local/global technology teams and business users. Project lead and developer for Fixed Income REPO and Global Sales Technology.

- Led team of 3 developers and coordinated, designed and implemented a centralized core reporting platform.
- Enabled dynamic customization and personalization features to enhance user experience and efficiency.
- Communicated complex requirements to other technology groups and defined a service based architecture for the reporting framework.
- Defined a multi-phase decommission approach for existing reports structured on multiple technologies to improve UX and performance.
- Led team of 5 developers in phased strategic replacement of legacy client data CRM web application.
- Performed gap analysis on existing event web application and implemented missing features, which eliminated heavy Excel usage.
- Bridged the gap between 2 reporting tools by designing and developing 3 summary views on the UI.
- Designed flexible data model, which enabled drilldowns on high-level to detailed reporting for compensation, budgeting and client metrics.
- Re-architected data model of business products to simplify maintenance, adaptability to product evolution and changing groupings.

Education

DECEMBER 2004

BS in Computer Science / Florida International University, Miami, FL

Overall GPA **3.48 / 4.00** (Software Design & Development Specialization)