Shane Arthur

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Education:

Memorial University (St. John's, Newfoundland & Labrador, Canada)

Bachelor of Science in Computer Science **2008 - 2012**

Experience:

Home Depot Canada (North York, Ontario, Canada) **Aug. 2018 - Present**

UI Architect: 80% Hands on Full Stack JavaScript Architect leading a large team of 15+ front end developers on Home Depots digital transformation for their e-commerce website.

- Currently leading the development of the admin facing application where associates can manage inventory and pricing for the newly created SPA frontend.
- Lead the development of moving over 60% of homedepot.ca to multiple SPA's, from static JSP / Jquery pages.
- Architected and lead the initial development on homedepot.ca's Angular frontend (which had over 100 contributors in multiple countries).
- Created the front end component library using Angular Libraries (ng-packagr).
- Aided in the development of the server-side rendered Angular SPA for use of social sharing and search-engine optimization using Angular Universal.
- Created an internalization module (i18n) for french customers using ngx-translate.
- Lead the migration of the Angular front-end from one application with many lazy-loaded modules, to multiple applications glued together by apache on the server.
- Moved our Angular Header to the homedepot.ca homepage, which is an AEM .html page, using Angular Elements.
- Aided in performance tweaking, to help find and pinpoint production defects and scalability concerns with OPS using Dynatrace, Stackdriver and Lighthouse audits.
- Migrated all of our angular applications from Angular 5-6, 6-8 and 8-9.
- Lead the development of numerous homedepot.ca pages.
- Technologies used: @angular 5-9, @ngrx 5-8, typescript 2.0-3.4, rxjs 6.2-6.5, Express.js 4.16, Karma 3.0, Jasmine 3.2-3.5, Adobe Aem 6.0-6.3, Akamai, Kong, Google Cloud Platforms (GCP), Docker, Bamboo, Jenkins, Bitbucket.

Royal Bank of Canada (Toronto, Ontario, Canada)   **Apr. 2018 – Aug. 2018**

- *Senior Front-End Developer:* Built out internal dashboards for a big data team.
- Architected and implemented a validation framework for processing, organizing and managing large multi-faceted transactions.
- Implemented a spinoff of the above framework with region specific features.
- Technologies used: Angular 5.1, @ngrx 5.1, PostgreSQL, Typescript 2.1, React 15, Redux 3.4, SASS.

Home Depot Canada (North York, Ontario, Canada)   **Nov. 2017 - Apr. 2018**

- *Front-End Lead*. Worked on migrating existing client-side code from JSP/Jquery/ES5 to Angular 5. (Angular 6 now).
- Architected and implemented homedepot.ca's first angular solution, which present-day contained 9 lazy loaded projects, with over 35 developers contributing to the project internationally.
- Duties included everything front-end, (Testing, CSS architecture, Component Design).
- Also responsible in building out HDCA's front-end team.
- Technologies used: Angular 5, SASS, @ngrx 4, Typescript 2.0, Hybris SAP 6.5, webpack 3.

Capco (Toronto, Ontario, Canada)   **Jun. 2017 – Nov. 2017**

- *Front-End consultant*. Worked on an Angular 4 CLI generated project for one of the Canadian banks.
- Responsible for everything front-end. This included javascript and css architecture, implementation, design, testing and automation.
- Involved in the creation of the client's hybrid cordova based mobile app (Ionic 3).
- Technologies used: Angular 4, Ionic 3, Angular-Material-UI, @ngrx 4 & SASS.

Infusion (now Avande) (Toronto, Ontario, Canada & Westport, Connecticut, United States)   **Jan. 2016 - Jun. 2017**

- *Front-End Consultant*: Worked with React, AngularJs and Angular.
- First project involved working with an undisclosed client for approximately 6 months (located in Connecticut).
- Project was a Node application which allowed investors to visualize their virtual portfolio.
- Technologies used: React 13, React-Router, hapi.js, Webpack 1, Postgres, LESS, Babel 6, TypeScript & ES6, Enzyme and Highcharts.js.
- The second project was working with TD Bank (located in Toronto, ON).
- This project involved developing an application which call center agents leveraged (to better serve customers).
- This was a unique solution as the main application was a WPF shell, with an embedded web view (the angular part) and an embedded legacy application (swing Java application).
- Technologies used: Angular 1.2 (ES5), Karma & Jasmine, Grunt, Spring MVC, C# 6.0 (WPF), XUnit and JUnit.

NTT- Data Canada (Halifax, Nova Scotia, Canada)   **Jan. 2015 - Jan. 2016**

- *Java Consultant:* Intermediate J2EE developer working remotely for Fidelity Investments in Durham, North Carolina via NTT Data Americas.
- Part of an "offshore" development team of 12 members consisting of quality assurance specialists, business analysts, and developers. This team worked with a larger group of 30 members who were located "onshore" in Raleigh/Durham North Carolina, and in Boston, Massachusetts.
- The objective of the project was to move from an old legacy system to a service-oriented architecture using web services.
- The role involved developing robust end-to-end SOAP and REST web services leveraging the spring platform.
- Utilized agile methodologies, particularly a highly iterative SCRUM methodology.
- Technologies used: Java EE, iBatis, Spring, Junit, IBM Message Broker, Maven, Stash and Jenkins.

GreenNexxus (Fredericton, New Brunswick, Canada)   **Apr. 2013 - Aug. 2014**

- *Full stack .NET developer:* Intermediate ASP.NET developer involved in the end to end delivery of the SaaS 'GreenNexxus One Million Acts of Good' platform.
- Used Azure cloud services for data storage. Wrote T-SQL queries as well as designing the systems table structure.
- Involved in UI/UX design, (JQuery, Twitter bootstrap, HTML5, CSS3).
- Interacted with clients directly during the formation of product specifications (using UML), bug detection, and status updates.
- Moved from a waterfall to agile development process.
- Involved in the design of the web applications UI and the-- mobile UI.
- Technologies used: JQuery Mobile and MVC 4&5, C#, ASP.net Webforms and MVC 4 & 5, Microsoft Sharepoint, XML, JSON, DevExpress controls.

References Available on Request