

Shane Arthur

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Education:

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

Bachelor of Science in Computer Science

2008 - 2012

Experience Related to Computer Programming:

Home Depot Canada (North York, Ontario, Canada)

Aug. 2018 - Present

- **Web Architect:** Responsible for designing and implementing the front-end architecture for homedepot.ca while overseeing 20+ front-end developers.
- Currently involved in migrating homedepot.ca in its entirety from JSP/Jquery/ES5 to Angular 5-6.
- Led the migration of homedepot.ca from Angular 5–Angular 6.
- Heavily involved in bootstrapping and architecting the server side rendered Angular solution (leveraging angular universal).
- Led the initiative to move all of our dumb components to an Angular 6 library where they can be exported as a web components (angular elements) to the homedepot internal npm artifactory for reuse in a framework agnostic manner as plain web components.
- Involved in overseeing and improving site performance by way of lighthouse audits.
- Helped ops set up C.I. around our angular solution and aided in deploying homedepot.ca on a node server.
- Technologies Used: Angular 4-8, @ngrx 5-8, React 0.13, Node.JS 8-12, Adobe AEM 6.3, SAP Hybris (Java 7), Docker, Jenkins / Bamboo, minimal JQuery.

Royal Bank Canada (Toronto, Ontario, Canada)

Apr. 2018 – Aug. 2018

- **Senior Front-End Developer:** Responsible for building out internal dashboards for the 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.
- Made use of 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 contains 5 lazy loaded projects, with over 35 developers contributing to the project internationally.
- Responsible for everything front-end, (Testing, CSS architecture, Component Design).
- Also responsible in building out HDC's ever growing front-end team.
- Made use of 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 big banks.
- Responsible for everything front-end on the current project – From javascript and css architecture, to implementation, to design, to testing and automation.
- Involved in the creation of the client's hybrid cordova based mobile app (Ionic 3).
- Made use of 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:** spent the better part of 18 months working with React, angularJs and Angular.
- First project was for an undisclosed client located in Connecticut for approximately 6 months.
- Project was a Node application allowing investors to visualize their virtual portfolio.
- Made use of React 13, React-Router, hapi.js, Webpack 1, Postgres, LESS, Babel 6, TypeScript & ES6, Enzyme and Highcharts.js.
- Second project which started in June is with TD, in downtown Toronto.
- Currently developing an application which call center agents will leverage to better serve customers they deal with.
- This is a unique solution as our main application is a WPF shell, with an embedded web view (the angular part) and an embedded legacy application (swing Java application).
- Made use of 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 consisting of quality assurance specialists, business analysts, and developers that compose a larger team of 30 members who are located majorly "onshore" in Raleigh/Durham North Carolina, and in Boston, Massachusetts.
- The objective of the project is to move from an old legacy system to a service-oriented architecture using web services.

- Current work involves developing robust end-to-end SOAP and REST web services leveraging the spring platform.
- Development requires a high level of understanding the business logic behind the financial modeling system as calculations involve managing customers' financial portfolios.
- Project stack involves Java, Java EE, iBatis, Spring, REST, SOAP, IBM Message Broker, Maven, Stash and Jenkins.
- This product is being developed in a test-driven development environment with focus on code quality and complete test coverage. Tools used to ensure code quality and test coverage are: PMD, Checkstyle, Junit, and SonarQube.
- Utilized agile methodologies, particularly a highly iterative SCRUM methodology.

GreenNexus (Fredericton, New Brunswick, Canada)

Apr. 2013 - Aug. 2014

- **Full stack .NET developer:** Intermediate ASP.NET developer working on the end to end delivery of the GreenNexus One Million Acts of good platform.
- Made use of Azure cloud services for data storage. As of I gained valuable experience writing T-SQL queries as well as designing the systems table structure.
- Developed SaaS (Software as a Service) solutions which took a restful approach giving me valuable service-oriented architectural experience.
- 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 mobile views (jQuery Mobile and MVC 4&5)
- Other technologies used: C#, ASP.net Webforms and MVC 4 & 5, Microsoft Sharepoint, XML, JSON, DevExpress controls.