

Joseph Barkate | Senior Full-Stack Developer

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Summary

Software engineer valued for driving quality and consistency throughout every phase of a software development projects. Advanced Angular UI design knowledge combined with a .NET framework background used synergistically to convert a software concept into a well-polished product. Exhibits leadership through managing multiple offshore teams and leading scrum standups and ceremonies.

Education

- M.S. in Electrical and Computer Engineering – Baylor University – Waco, Texas
- B.S. in Electrical and Computer Engineering – Baylor University – Waco, Texas
 - Thesis: *Algorithms for Fast Power Amplifier Load Impedance and Input Power Optimization...*
 - Minor in Mathematics

Technical Languages

- | | |
|---------------------------|--------------------------------------|
| • Angular 2-9+ | • Git / TFS source control |
| • Express / Node.js | • Pivotal Cloud Foundry (PCF) |
| • .NET 4 & Core / C# | • Agile / SCRUM / Kanban / Waterfall |
| • MS SQL, MySQL | • MongoDB |
| • AngularJS | • JSON / XML / SOAP |
| • TypeScript / Javascript | • Jira / TFS |
| • JQuery / RxJS | • Node.js / NPM |
| • Jasmine | • Gulp / Grunt / Bower |
| • HTML / CSS | • Octopus Deploy |
| • Ruby | • TeamCity |
| • Python | • TDD / BDD |
| • AWS | |
| • MATLAB | |

Software Development Skills

- Interact with project and product owners to establish understanding of MVP and business requirements.
- Quick learner who can deliver across all areas of technology with cross functional capabilities.
- Collaborate with product owners & business analysts to develop and deliver user stories and design patterns.
- Perform analysis of business and user requirements for software application development and recommend innovative solutions to meet business user needs.
- Coordinate across multiple business and IT areas on large, complex projects.

Professional Experience Summary

General Motors

February 2020 – Present

Senior Full-Stack Developer

Project Description

Full-stack Software Developer facilitating the formation of an international content management system for GM dealerships. Daily utilization of Angular 9+; Express / Node.js; C# .NET; and SQL to enhance and accelerate clients' ability to generate sales leads, capture customer analytics, edit themes and amplify social media presence through elegant yet effortless UI. Lead the development of logging and data aggregation for production and QA environments. Familiarity in performance testing optimization to build reliable/scalable and efficient applications hosted on PCF instances. Experience in ensuring successful deployments into live production environments through continuous integration continuous deployment Agile patterns.

Accomplishments and Responsibilities:

- Lead logging infrastructure and data aggregation in production and QA environment.
- Lead performance team's load and endurance test to optimize applications efficiency / scalability.
- Lead sprint ceremonies and communicated with business to defined technical requirements.
- Onboarded new hires and provided support to Jr Developers as an Agile Developer.
- Production / release support developer on out of office hours.

Project Technologies/ Products

Angular 9+, Express / Node.js, .NET 4 & Core C#, AngularJS, SQL, Redis, PCF, TypeScript, CSS, HTML

Dell

September 2018 – February 2020

Full-Stack Developer

Project Description

As a senior developer on the origin team of Dell's standard price list application Joseph worked on a client facing application commonly used to sell to large Dell distributors. While working there he used Angular with TypeScript for front-end and .NET core for back-end work. He wrote APIs to communicate with both the MongoDB and SQL databases and wrote processors to consume multiple Dell services with RabbitMQ and NSB. Joseph also contributed to the development team's migration to Pivotal Cloud Foundry, upgrade from .NET Framework to .NET Core and AngularJS to Angular 7. Joseph also volunteered for release readiness tasks and worked while the application was deployed into different environments including production. As a full stack developer Joseph was also required to write unit tests and help SDETs design automated tests for his sprint stories in a CICD environment.

Accomplishments and Responsibilities:

- APIs built in .NET 4 with C# and LINQ utilizing content management libraries for varying regions.

- Angular JS/7 was used alongside Dell design library (Dell bootstrap) for UI.
- Wrote process for multiple internal Dell micro-services and service frameworks.
- Designed and maintained REST services for internal and external APIs.
- Production / release support developer on out of office hours.

Project Technologies/ Products

Angular 7, AngularJS, .NET 4 & Core, C#, RabbitMQ, NSB, PCF, Javascript, CSS, HTML, Octopus Deploy, TeamCity

Conference of Urban Counties

January 2018 – June 2018

Front-End Developer

Project Description

The Conference of Urban Counties tasked Sogeti with developing a software solution for Jail facilities across the state of Texas. With a responsive web application as the agreed solution, Joseph worked as a front-end developer utilizing Angular 5 and building experiences and components that facilitated end-to-end capabilities for the Texas counties. Joseph also worked closely with backend developers to wire up service calls to Angular's UI in an efficient and reusable manner. While working alongside the onshore team Joseph also managed and provided thought leadership to multiple teams of offshore developers to deliver a bug free solution to the client.

Accomplishments

- Utilized Angular 5 framework to develop a web application for a Jail software system.
- Managed multiple off-shore teams through daily meetings, pull requests and code reviews.
- Implemented back end HTTP request handling.
- Agile team environment with 2-week sprints.
- Deconstructed requirements and designs into multiple reusable components managed in a shared library throughout the web application.
- Presented new application feature and functionality on a sprint-by-sprint basis to client.
- Completed a week long AWS certification course in Ohio heavily utilization for EC2.

Project Technologies/ Products

Angular 5, Typescript, Javascript, CSS, HTML, C#, Octopus Deploy, TeamCity, ServiceFabric

Front-End Developer**Project Description**

As an associate developer on the retail web technologies team at Charles Schwab Joseph worked on the Angular application development of the big-web customer facing 'My Profile' page. Joseph developed in an Agile BDD environment involving two week sprints, daily standups and communication with project owners and usability testing with customers. While working as a developer, Joe was tasked with assuming authority over and closing stories which included developing reusable components, directives, routes, services and unit tests in the Angular application. Several of Joseph's components and directives were contributed back to Charles Schwab's core reusable code base with included documentation to be used by other RWT teams. In the Agile environment Joseph developed unit tests using the framework Jasmin and Karma to accomplish a 90% unit test code coverage. Joseph has also exhibited leadership and presentation skills through leading several standups and retrospective, grooming and planning sessions. Mr. Barkate met and exceeded the expectations of his product manager by pushing to pre-production and production environments on schedule to deliver the software product requirements encompassed in the original contract.

Accomplishments

- Developed important core security service and directives for financial safety in an Angular application.
- Led daily stand-ups and retrospective, grooming and planning sessions in an agile environment.
- Contributed to Charles Schwab core re-usable code base.
- Developed an efficient code base that could handle performance testing of over 100,000 users.

Project Technologies/ Products

Angular 4, Typescript, Javascript, CSS, HTML, Jasmin, Karma, Ruby, Gherkins

Controls Engineer**Project Description**

Fallas Automation a robotics case packaging company based out of Waco, Texas just released a new case packaging robot that could handle a wider variety of packages. Mr. Barkate was responsible for drafting electrical panels of robotics control systems using CAD drafting software and embedded system design knowledge. Once the packaging robots were constructed Mr. Barkate would begin the debugging process using PLC gate logic, HMI, and a servo control language. Each Packaging robots required different software development strategies for different size products and packaging rates. Mr. Barkate oversaw communicating with assembly technicians to debug the multitude of control systems, to ensure the packaging robot met design specifications in the allotted time. Joseph was also tasked with remote debugging and communication with costumers in event of bugs once assembled at the client site.

Accomplishments

- Led team of graduate and undergraduate research assistants.
- Developed new tool for multi-dimensional graphical representation of circuit characteristics.
- Developed tool for autonomous optimization of power amplifier characteristics.
- Data-mined circuit configurations for visual representation.

Education

- Built a Full-Stack ASP.NET MVC 6 food review rating application through Pluralsight.
- AWS Developer Associate Certification training boot camp in Cincinnati, Ohio.
- Advanced MOOC Object Oriented Programming with Java from the University of Helsinki.
- JavaScript Hack Reactor Web Development Bootcamp.