GAVIN NICOL

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SUMMARY

Full stack software engineer with 5+ years of experience in leveraging microservice architectures to develop robust cloud-based products. Passionate about using my extensive C# and Angular knowledge to implement creative solutions for complex problems.

TECHNICAL HIGHLIGHTS

LANGUAGES: C#, Java, TypeScript, JavaScript, Visual Basic, Kotlin

FRAMEWORKS: .NET Core, .NET Framework, AngularJS, Angular 2+, Android

DATASTORES: Microsoft SQL Server, Azure Cosmos DB, Azure Blob Storage, PostgreSQL, MySQL, Firebase

TECHNOLOGIES / MISC: ASP.NET WebAPI, Azure Service Bus, Application Insights, Swagger/OpenAPI, Git, Splunk, MixPanel, Entity Framework, Pact Testing, Agile/Scrum methodology, Hangfire

PROFESSIONAL EXPERIENCE

RLDATIX
SOFTWARE ENGINEER

CHARLESTON, SC
FEB 2020 – PRESENT

- Created and deployed new ASP.NET Core microservice and Angular front end to AWS to help facilitate the payer enrollment process.
- Utilized Entity Framework Core Code First to design and create a PostgreSQL database for payer enrollment.
- Architected and implemented an audit framework that tracks any changes made to database entities including before and after snapshots and the user that made the changes.
- Developed reusable custom Angular 12 components including phone/fax/email input components that formats the user input as they enter text, time picker component, and address input form component.
- Researched the daily process and pain points of internal users and implemented quality of life improvements/quick wins to make their process easier and more efficient
- Debugged and fixed production bugs in legacy ASP.NET web application

BLACKBAUD
SENIOR SOFTWARE ENGINEER

CHARLESTON, SC
FEB 2018 – FEB 2020

- Worked closely with software architects to develop RESTful services in a microservice architecture to handle the event management domain which includes events, participants, and online registration forms.

- Collaborated across teams to upgrade the way our clients authenticate with legacy applications by developing new backend endpoints in C# and a new front end in Angular 9.
- Created a .NET Standard and Angular library that allows teams to easily view and manipulate production data in a Cosmos data while providing an audit trail and approval process.
- Contributed bug fixes and feature requests to Blackbaud's open sourced SkyUX Angular libraries.
- Implemented services that leveraged Azure Service Bus to asynchronously process request to identify unknown constituents and map them to known records.
- Assisted in creating services responsible for detecting duplicate constituent records and lead the efforts to create an Angular front end that allowed clients to easily merge the records together.

SOFTWARE ENGINEER II   FEB 2017 – FEB 2018

- Created self-contained system to act as the source of truth for all constituent records.
- Developed Angular library responsible for mapping clients to the correct zoned services which was necessary in order to upgrade from AngularJS to Angular 2+.
- Lead and mentored a team of interns tasked with determining the work necessary to upgrade legacy AngularJS applications to Angular 2.
- Actively monitored logs to identify and fix potential client facing issues before they were filed.
- Volunteered for Camp Blackbaud to help teach kids about STEM.

SOFTWARE ENGINEER I   JULY 2015 – FEB 2017

- Reimplemented business logic in C# that was previously written in SQL in order to improve performance, maintainability, and test coverage.
- Created proof of concepts and delivered features specifically asked for by clients.
- Addressed several bugs in legacy application written in Visual Basic and SQL.
- Began participating in University Recruiting and screening potential new hires.

EDUCATION

NORTH CAROLINA STATE UNIVERSITY   RALEIGH, NC
Bachelor's in Computer Science   2013 - 2015

FORSYTH TECHNICAL COMMUNITY COLLEGE   WINSTON-SALEM, NC
Associate of Science   2010 - 2012