

# BRYCE GALLICHAN

Software Engineer

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## SUMMARY

Experienced software engineer specializing in full-stack development with expertise in Angular front-end applications, Python and Node.js back-end development, adept in designing and implementing cloud-based infrastructure, and skilled in building high-performance, customer-facing web applications at scale.

Angular 8-18 | Node.js | FastAPI | Python | SQL | GCP | CI/CD | C# | .Net Core

## PROFESSIONAL EXPERIENCE

### Software Developer

North American Risk Services (NARS) | *Contract, United States*

April 2024 - Present

- Implemented new features for customer facing full-stack web application using Angular 14 front-end, Python, and NoSQL MongoDB back-end
- Maintained AWS lambdas and automated deployment pipelines for back-end microservices
- Followed software development lifecycle guidelines and delivered features in an Agile environment
- Responsible for code reviews and mentoring junior developers

### Software Engineer

Torqata Data and Analytics | *Remote, United States*

Feb 2023 - Oct 2023

- Responsible for full-stack maintenance and new feature development for customer facing web application. Back-end development using Python Fast API and front-end development using Angular 14
- Oversaw the migration of Angular application from version 11 to version 14
- Implemented e2e testing for front-end application using Cypress and Postman
- Improved Jasmine unit test coverage from 78% to 86%
- Published multiple product metric reports used by business and sales teams using Google BigQuery and Looker Studio

### Software Engineer

Dito | *Remote, United States*

Sep 2021 - Dec 2022

- Developed and implemented Angular 12 front-end web application for New York State to accommodate a high volume of users

- Collaborated with the New York State IT and UI/UX department to take the project from mock-up phase to production in under 6 weeks. Utilized Jasmine to execute automated unit tests
- Designed, developed, deployed and maintained a full-stack, customer facing web application to simplify BigQuery project creation and management in the Google Cloud environment. Implemented a robust authentication and role based access control system using Firebase Authentication and Python Flask back-end
- Automated multiple internal management processes involving Mavenlink projects and time-tracking using Python microservices, Cloud Functions and Cloud Scheduler
- Advised several client facing projects on Firebase Authentication and Firestore NoSQL database functionality

### **Junior Software Developer**

Information Delivery Consultants | *Contract, Johannesburg, South Africa*

Feb 2020 - July 2021

- Developed full-stack client facing solution for UK-based beauty salon using Angular 8, C# .NET Core, Entity Framework, SQL Server and Microsoft Azure
- Published mobile-friendly informational website
- Responsible for designing and implementing full-stack solution for dynamically generating, storing and emailing invoices to salon clients
- From July 2020, solely responsible for application support, handling client feedback, adding new features, bug fixing, and performance optimization after initial production release

### **Software Engineer**

Skyowl Studio | *Part-time freelance, Remote*

December 2019 - Present

- Published mobile friendly company landing page using HTML and Javascript
- Modernized informational website for a Boy Scouts group using Angular 17 and optimized for high performance using Angular Universal for server side rendering
- Collaborated with a small startup team to design and build full-stack web application used in the hospitality and retail sectors. Upgraded front-end to use latest features of Angular 18
- Developed back-end REST API using Node.js Express framework and implemented CI/CD pipeline for automated deployment to Google Cloud Run using Docker, GitHub Actions, and Cloud Build

## **EDUCATION**

### **B.Eng Chemical Engineering**

University of Pretoria

2016-2019

University of Pretoria department of Chemical Engineering is moderated by the Engineering Council of South Africa (ECSA) which provides international recognition of engineering programs through the Washington Accord