CHRISTOPHER KATSARAS

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SKILLS

Languages: C, C# (.NET), Javascript / TypeScript, HTML / CSS, SQL

Tools / Frameworks: Angular, Conductor, Docker, Git, Jest, Node.js, RabbitMQ, Rancher, React, Redis, TypeORM

Software Engineering: Amazon Web Services, Bitbucket, Confluence, Jira, Kanban, Microservice architecture, Scrum

EXPERIENCE

Senior Software Developer - *March Networks | Ottawa, Ontario*   Apr 2021 - Present

- Developed next generation cloud offering for the company's flagship product used by enterprise customers. Built using Node.JS, NestJS, TypeORM, Redis, Conductor, Docker and RabbitMQ. Deployed on Amazon Web Services.
- Developed event-broker service to process and emit events to clients using RabbitMQ, Redis and websockets.
- Improved Jenkins pipeline by streamlining logic and implementing caching layer for various build artifacts using Minio's S3 compatible APIs. As a result, build times were reduced by up to 30%.
- Acted as Scrum Master, leading meetings such as daily standup, backlog refinement, and sprint retrospective.

Intermediate Software Developer - *March Networks | Ottawa, Ontario*   Jan 2020 - March 2021

- Implemented server-versioning mechanisms to decouple the server and ensure a smooth transition during upgrades.
- Designed and implemented various microservices to allow the system to efficiently scale based on load.
- Implemented performance tests using Artillery to ensure all services would scale properly during peak load.

Full Stack Developer - *Camis | Guelph, Ontario*   Jan 2018 - December 2019

- Delivered high quality features and improvements for web and desktop applications using Angular, TypeScript, C#, and T-SQL while actively maintaining quality, security and performance standards.
- Implemented backcountry reservations for Ontario Parks, adding a new inventory model to the flagship product.
- Refactored primary server-side validation and built infrastructure that allowed standardized error codes to be returned from the service and generate localized messages on the client.
- Fixed production bugs to ensure quality was maintained and Federal, State and Provincial client standards were met.
- Developed unit and E2E tests using Jest, NUnit and Testcafe, doubling code coverage and ensuring the stability of the core reservation workflow.

Research Assistant - *University of Guelph | Guelph, Ontario*   May - Aug 2016 / 2017

- Developed front-end for Farm to Fork, a food donation platform, using AngularJS and Angular-Material.
- Restructured database schema for the Labrador Wellbeing project and developed data visualizations for survey questions.

Teaching Assistant - *University of Guelph | Guelph, Ontario*   Sept 2015 – Dec 2017

- Led lab sessions and taught students introductory programming concepts in C while assisting in debugging their code.

EDUCATION

Bachelor Of Computing (Honours) - University of Guelph   Sept 2013 - Dec 2017

AWARDS AND CERTIFICATIONS

Amazon Certified Solutions Architect (SAA-C02)	2020
School of Computer Science Teaching Assistant Award	2018
Dean's List (F15, W16, F16, W17)	2015 - 2017
Best poster in the School of Computer Science	2016

PROJECTS

Johnny Bob's Vintage Bikes - https://johnkatsaras.com

- A website to display my dad's vintage bike collection using Gatsby, Strapi, Netlify, Heroku and Mongo Atlas.

Swish Stats - https://swishstats.ca

- A web app to compare NBA statistics using Next.js, TypeScript, Bootstrap, Styled Components and hosted on Netlify.

React NBA Logos - https://www.npmjs.com/package/react-nba-logos

- React components for NBA logos. Available as a npm package that is actively used by the open-source community.

Arnold Time - http://arnoldtime.com

- An online multiplayer shooter built using NodeJS, AngularJS, Socket.io, Redis and hosted on AWS.