

Nikola Ostojic

Senior Software Engineer

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SKILLS

- Backend: Java/SpringBoot, C#/.NET, C++ and Python
- Front-end: Angular/Typescript
- Database: SQL, DynamoDB and MongoDB
- Source Control: Git
- DevOps: Jenkins/Github Actions/Docker/Terragrunt/Terraform
- Cloud: AWS and GCP

EDUCATION

University of Waterloo, Waterloo, Ontario – Bachelor Of Computer Science

Class of 2016

Senior Software Engineer, Ritual

March 2021 - June 2023

Overview

- Creating new product offerings and maintaining services using Java Springboot for the backend, MySQL as the database and GCP for cloud services
- Creating standards documentation to improve the workflow for developers
- Leading projects collaborating with cross-functional teams
- Creating internal libraries to improve developer productivity

Key Accomplishments

- Led Food Fest At Work project including the design, testing, team management and launch. This project exceeded the projected number of new users onboarded by >100%.
- Set up permission-ticket service in Java Springboot, Keycloak and Braze, which handles sending and accepting invitations for 67,000+ Ritual For Companies employees.
- Created a google pubsub library in Java and set up IaC using terraform/terragrunt, to enable developers to create topics/subscriptions and publish/subscribe to messages between services.
- Refactored Java Springboot backend for Ritual for Companies, which achieved performance improvements for fetching resources by ~1000% and resource creation by ~100%.

Full-Stack Software Developer, CaseWare International Inc.

February 2019 - October 2020

Overview

- Created and maintained Java Springboot microservices in MongoDB/PostgreSQL/Redis and AWS
- Created front-end components with Angular/Typescript
- Led software design meetings for new features

Key Accomplishments

- Setup Single Sign-On with Azure, which allowed users to be managed by a firm using Azure Active Directory.
- Refactored legacy C# service into a Java Springboot microservice. This resulted in a performance increase in API calls from greater than 1s to sub 10ms.
- Created new agile standards for ticket grooming that were applied to all teams. This reduced 3 hours a week of grooming per squad into a 30 minute high-level and low-level refinement meeting.
- Created several front-end components in Angular, including user login page, SSO setup, 2FA setup and forgot password.

Software Developer, Laborie Medical Technologies

May 2017- February 2019

Overview

- Implemented backend using C# and SQL
- Worked on front-end in Angular/JS
- Created and maintained software design documents

Key Accomplishments

- Implemented patient archive/restore feature in C#. This allowed for encrypted patient data and videos to be sent between doctors.
- Setup licensing website using Angular, C# and Azure for cloud. This allowed the back office to distribute licensing keys to access software.
- Implemented device recognition using RFID, to recognize when Laborie devices are connected.

Software Engineer (Contract), Bio-Rad Laboratories

November 2016 - May 2017

Overview

- Created a computer vision video recognition API using OpenCV and C++ to calibrate fraction collector in real-time from video images.

