

Ali Bahrani

Software Engineer | Full-stack Engineer | DevOps

Victoria, BC | 250 891 2710 | ali.bahrani519@gmail.com | [linkedin.com/in/ali-bahrani-a6340a127](https://www.linkedin.com/in/ali-bahrani-a6340a127)

Professional Overview

I am a **software engineer** with **4+ years of professional experience** in **developing, deploying, and automating life cycles of web, desktop applications and programming languages** both at engineering product companies and open-source communities, including **multiple contributions in active github projects**. I have also specialized my career in software architecture best practices like design pattern and **cloud computing design patterns** both in **object-oriented and functional programming**. In addition I have worked with several teams with various sizes with a diverse experience of different methodologies like Agile, Scrum, Waterfall and Kanban.

Software Development | CI/CD | Cloud Computing | AWS | Node.js | Python | C/C++ | Golang | Medical Software | Java | Design Patterns | Object Oriented Programming | Functional Programming | Automated testing | Spring Boot | Scrum

Professional Experience

SOFTWARE ENGINEER, Starfish Medical, Victoria, BC | starfishmedical.com **January 2022 - Present**

Starfish Medical is a Medical Equipment Manufacturing company with offices in Victoria, BC and Toronto, ON.

- Unlock the potential of IT and Software department collaboration by creating multiple **Jenkins**-hosted **dockerized** pipeline templates for testing and build automation of 3 **firmware** project using bash scripting, python and golang
- Transform a legacy active **C++** project into a Test-driven project by adding **unit tests and exploiting modern C++ techniques** leading to requirements coverage of about 80%
- Deploying the first **ML-based Web Service** developed in the company by the company on-premise using **nginx, reverse proxy and scalability techniques**
- Contributing in many internal golang libraries that lead to quick start of 2 new medical device gui project

SOFTWARE ENGINEER, Pasargad Electronic Payment, Iran | pep.co.ir **December 2019 - February 2021**

Pasargad is a payment service provider company based in Iran that supports the online services of a private bank of the same name.

- Decreased the downtime of a Point of Sale legacy service by **changing TCP endpoints to Websocket** and replacing vanilla Tomcat services with **Spring Boot**
- Added multiple features and panel to the administration desktop application of managing smart cards using **C++ and C# (.Net framework)**
- Designed and implemented a transaction fraud detection service using python and fastApi

Education

Master of Science, Computer Engineering, Iran University of Science and Technology, Sep 2019 - Feb 2022

Bachelor of Science, Computer Engineering, Iran University of Science and Technology, Sep 2015 - Sep 2019

Open-Source Project Contributions

Cregit Website: Available cregit.linuxsources.org

QJoystick: A Qt library for using gamepads and joysticks, github.com/alex-spataru/QJoysticks

Competitive Programming: Solution to algorithmic questions, github.com/Erfaniaa/competitive-programming