

Saransh Bhalla

Software Engineer

 saranshbhalla@gmail.com
 (330) 786-8014
 129 Arsenal Street, Apt 2
Watertown, MA, 02472

EDUCATION

THE UNIVERSITY OF AKRON

GPA: 3.8
Akron, OH
Master of Science (M.S.)
Computer Science (May 2020)

GURU NANAK DEV UNIVERSITY

India
Bachelor of Technology (B.Tech.)
Computer Science (Jun 2016)

SKILLS

Java	Algorithms
Spring Boot	Microservices
Rest APIs	JUnit
Kafka	Software Design
MongoDB	
Angular JS	
HTML/CSS	

CAREER OBJECTIVE

Motivated software engineer with 4 years of hands-on experience of designing and developing software applications. Seeking a position in a growth-oriented company where I can use my skills to the advantage of the company while having the scope to develop my own skills.

EXPERIENCE

SOFTWARE ENGINEER

Kuebix LLC, a Trimble company, Maynard, MA / Jun 2020 – Present

- Involved in analysis, design, development, testing and deployments of microservices in **Java**, **Spring Boot** and **MongoDB**. The services were a central source of customer info for TMS product suite.
- Implemented upgraded version of 70+ APIs to increase API performance, improve design while maintaining **backwards compatibility**.
- Implemented **Kafka** producers/consumers on the microservices.
- Worked in a small team with **Agile** Software Development process.
- Extensively used core Java features of **Generics**, **Collection Framework**, **Functional Programming**, **Reflection**, and libraries like **Jackson**.
- Wrote testing framework to do API **integration and load testing**.

SOFTWARE ENGINEER INTERN

Kuebix LLC, a Trimble company, Maynard, MA / May 2019 - May 2020

- Worked on Optimizer project, in Java, to solve **Vehicle Routing Problem** with an extensive set of constraints.
- Researched and prototyped **NP hard** algorithmic implementation to solve VRP that improved the performance by 60%.
- Extensively used Design patterns like **Builder**, **Singleton**, **Factory** to make the code more robust and easier to maintain.

GRADUATE TEACHING ASSISTANT

The University of Akron, Akron, OH / Aug 2018 - May 2019

- Worked as instructor for CS1 labs and tutored for AI, OOP courses.
- Assisted faculty with project evaluations and grading.

SOFTWARE ENGINEER

Software AG, Bangalore, India / Aug 2016 - Jun 2018

- Worked as UI developer (**Angular JS**) for the development of a line-of-business application in healthcare sector.
- Proposed and coordinated a code refactoring activity which reduced the development effort by half.
- Demoed an **IoT** business use-case marking the debut of Software AG's Device Integration Platform, Cumulocity, in a Yearly Event attended by **300+ executives** from various organizations.
- Was awarded a quarterly achievement **Spot Award** for contribution to components used across multiple projects.