Anuraj Jaiswal

SOFTWARE ENGINEER

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Education

Rochester Institute of Technology   *Rochester, NY*
MASTER OF SCIENCE IN COMPUTER SCIENCE, GPA: 4.0/4.0   *Expected: Dec 2021*

Visvesvaraya National Institute of Technology   *Nagpur, India*
BACHELOR OF TECHNOLOGY IN MINING ENGINEERING, GPA: 7.87/10.0   *June 2012 - May 2016*

Experience

Rochester Institute of Technology   *Rochester*
IOS DEVELOPER   *July 2020 - Present*

- Designing and developing iPhone application using Xcode, Swift, UIKit, Cocoa Touch, Realm Database.
- Used Core Bluetooth to communicate, exchange data with medical devices in real time.
- Implemented MVC design patterns for the models, views and controllers in the app.
- Worked extensively Cocoa frameworks like Charts, Alamofire. Used Git for version control.
- Translated UI/UX design from Figma into UI using iOS Storyboards.
- Used Auth0 to implement authentication feature into the application.

Dassault Systemes   *Pune*
SOFTWARE ENGINEER   *June 2016 - July 2019*

- Developed native windows software application using C, C++ and Java.
- Delivered code on a bi-weekly sprint basis that is robust, functional and stable.
- Worked and improved existing complex CAD and triangulation algorithms.
- Located and devised solutions for bugs and maintaining code quality.
- Used Scrum for agile development and participate in team-lead solutions, reviewing peers code for quality and completeness.
- Multi Threaded legacy code to improve performance.
- Integrated cloud storage solution using REST API's.

Skills

Languages   C++, Java, Swift, Python, C, JavaScript
Database   My SQL, MongoDB, Realm, SQLite
IDE/Tools   Microsoft Visual Studio, Xcode , Eclipse, PyCharm, Team Foundation Server, Git, Postman, Jira

Projects

Distributed Analysis
- A server and client application written in Java, uses threads and distributed networking.
- Client uses multiples servers on multiple systems to delegate the calculation work over and receives the data for user visualization.
- Uses TCP/IP, UDP and RMI protocols to achieve the specified task.

Path Finder
- Used python to implement an A* search algorithm to find an optimal path between two points.
- Used Python Imaging Library(PIL) to read map image pixels to factor terrain type and elevation.

IMDB Database
- Used Java and JDBC to load the IMDB dataset into a MYSQL database.
- Used MongoDb drivers to transfer the data into MongoDb database.

Word Search Puzzle
- A word search iPhone game developed in Swift and UiKit.