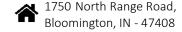
Sagar Suresh Panchal

Software Developer







Education

Master of Science (MS) in Computer Science, Indiana University Bloomington, USA - 3.92 CGPA

August 2017 – May 2019 August 2012 – May 2015

Bachelor of Engineering (BE) in Computer Engineering, University of Mumbai, India – 3.47 CGPA

Diploma in Computer Engineering, University of Mumbai, India – 87.81%

August 2009 – May 2012

Work Experience

Bloom Insurance Agency, Software Developer (Internship: May 18 – Apr 19)

June 2019 - Present

- Improved workforce efficiency up to 65% by developing features like bulk upload of Resources (docs) and Seminars.
- Implemented continuous monitoring and tracking of exceptions across environments using tools such as SeriLog and Raygun.
- Improved web accessibility for web apps using Web Content Accessibility Guidelines (WCAG) 2.0 standards, primarily for people with disabilities.
- Performed unit tests, resolved bugs and successfully **deployed applications** which are being used by over thousands of users.
- Trained interns and co-workers on existing infrastructure and best practices, participated in code reviews, followed Agile (SCRUM) methodology, used Bitbucket as VCS, JIRA for Issue Tracking and Jenkins as Build and CI/CD tool.

Larsen and Toubro Infotech (LTI), Software Engineer

July 2015 - July 2017

- Analysed business requirements, domain specifications and developed applications for a major Oil and Gas client.
- Reduced client cost of \$77K by amalgamating the work of 5 remote servers into a centralized server for Auto Indexing application
- Lead trained and mentored a sub-team of 3 throughout the aforementioned project milestone.
- Recommended 14 profitable process improvements that extensively minimized client's as well as team efforts.
- Performed static and dynamic code analysis using HP Fortify Software Security Center to analyze and rectify vulnerabilities.

Projects

NetBoox

August 2018 – December 2018

- Implemented an on-demand Book reading platform for application subscribers (like Netflix).
- Built in microservices based architecture using Docker, Node JS, Java Jersey, Python Flask, Mongo DB, Jenkins, Kafka, Zookeeper.

News Recommendation Using Knowledge Graph

January 2018 – May 2018

- Jointly developed News recommendation system using **Neo4** and **Python** by interfacing them using **neo4irestclient** library.
- Implemented Content based & Collaborative based filtering algorithm techniques to recommend news.

Action List API

January 2018 – May 2018

- Collaboratively emerged a Data API using GraphQL and Java Spring Boot, to fetch data as per user preference & Dockerized it.
- Used Maven, GitHub Workflow, JUnit, Travis CI, Code Climate, Spring REST Documentation, Postman, JIRA, Confluence.

Gamify

August 2017 – December 2017

- Built a social network web application for sports enthusiasts to collaborate, meet & play together with people of similar interest.
- Developed in a team of four & technologies used were JavaScript, PHP, HTML, CSS, Bootstrap and MySQL database.

Image Classification

API & Programming

September 2017 – October 2017

Implemented supervised machine learning classifiers like k-nearest neighbors, Adaboost and Neural-Networks in Python for image classification by training on a corpus of 36K images & achieving accuracy of 83% on test set of 1K images.

Skillset

Related Coursework: Machine Learning in Signal Processing, Science Gateway Architectures, Object Oriented Software Engineering &

> Management, Artificial Intelligence, Data Structures & Algorithms, SQL & NoSQL, Advanced Operating Systems Java, C#, Python, Node JS, GraphQL, Vue JS, Python Flask, Java Jersey, C, C++, Coffee Script, Cypher, XML DTD,

Languages: XPath, XQuery, Vanilla JS, PHP, jQuery, HTML5, CSS3, Bootstrap, Ajax

Kubernetes, Docker, Spring Boot, Dot Net, MVC, Entity Framework, Infragistics UI, Telerik UI, IntelliJ, PyCharm, Frameworks & IDE's:

MS Visual Studio, Spring Tool Suite

Databases: Neo4j, MongoDB, Redis, HBase, XML, MySQL, MSSQL, Oracle

Project Utility: GitHub, Bitbucket, Travis CI, Jenkins, Raygun, Serilog, Code Climate, JUnit, Confluence, TFS, Spring REST Docs

C# 4.0 from IKM, Basic orientation to Industry Business using SAP ABAP programming Certifications:

Extra-Curricular Activities

President of the 'Cricket Club' at Indiana University. (registered by IU Club Sports).

April 2018 – May 2019

Chief of 'Infra and Security' council for annual technical and cultural events in KJSCE.

June 2014 – May 2015

Secured a Runner Up trophy in Volleyball Tournament in Skream-15', a State Level Sports Summit.

March 2015