

Shirish Soni

SOFTWARE ENGINEER

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Summary

Enthusiastic software engineer with 2+ experience participating in the complete product development lifecycle of successfully launched applications. Skilled in developing business plans, requirement specification, user documentation, and architectural system research with the goal to make any application simple to use for end-user and easy to build by the team.

Technical Highlight

- Knowledge of different phases of SDLC with Agile Kanban Development Environment, SCRUM programming, and Test-Driven Development.
- Reduced processing time from couple of weeks to matter of minutes in Productivity Solutions team.
- Statistically calculated and implemented solution to efficiently manage existing resources which saved around 600-man hours per year for the team size of less than 15 while working at ExxonMobil as coop.
- Experience in relational database development and data manipulation, for creating complex database queries, writing constraints, indexes, Stored Procedures, and all key concepts of RDBMS using MySQL and Microsoft SQL Server.
- Experience in interacting with clients for requirement specifications.
- Designing and development of layouts, views, and modules for observation and analysis of data.

Skills

Programming Python, Kotlin, Java, C#, C++

Web Technologies Django/REST Framework, Flask, PHP, HTML5/CSS3, Bootstrap, Javascript/JQuery, D3.JS

Analytics and Cloud Scikit-Learn, TensorFlow, Keras, Apache Spark, ETL, Data Modelling, AWS, Azure MLStudio

Databases MySQL, MS SQL, MongoDB, Firebase

Other SharePoint 2013, Nintex Forms and Workflows, ArcGIS Pro, IDRISI TerrSet, Android Studio, Anaconda, GitHub

Education

MS in Computer Science

UNIVERSITY OF REGINA, REGINA, CANADA

GPA: 4.0

January 2018 - January 2020

BE in Computer Engineering

GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD, INDIA

GPA: 3.7

August 2013 - June 2017

Experience

Mobile Application Developer

UNIVERSITY OF REGINA

Regina, Canada

January 2020 - Present

- Digitalized paper-based safety forms on the Android Platform.
- Created an application using KOTLIN as a programming language.
- Created REST API using Python Flask to communicate with MySQL Database.
- Implemented Material Design concepts for UI/UX development.

End-User System Analyst

EXXONMOBIL

Calgary, Canada

September 2018 - April 2019

- Developed SharePoint based AppStore using Nintex form and workflow, JavaScript, and SharePoint Web Services to replicate the custom solutions.
- Worked in Agile Kanban software development environment.
- Handled client communication for project critical development.
- Worked with the Data Science team to develop custom Machine Learning models.

Web Developer

DIGIWAYS

Mehsana, India

November 2016 - January 2018

- Developed an improved PHP and MySQL database based order and client management system.
- Developed and redesigned MySQL based email system for clients' inquiries.
- Designed for and tested desktop and mobile sites, across multiple browsers.
- HTML, CSS, Javascript, and Bootstrap front-end development.

Academic Projects

Hall of Fame Videos

DJANGO, BOOTSTRAP, REST FRAMEWORK, SQLITE3

July 2020

- Developed a Django website where the users can create a youtube playlist that can be shared with anyone.
- Utilizes YouTube API to find the video.
- The data is stored using SQLite 3.

Article Activity Visualizer

PYTHON, D3.JS, DATA VISUALIZATION, NATURAL LANGUAGE PROCESSING, ETL, JUPYTER NOTEBOOK, MYSQL

May 2019 - August 2019

- Information visualization concepts implemented to analyze nonstructural data.
- Extracted keywords, sentiments, and summarized the nonstructural text data using an ETL process.
- Implemented a dashboard using D3.JS to visually represent the extracted information.

Productivity Appstore

SHAREPOINT 2013, NINTEX FORM AND WORKFLOW, SHAREPOINT WEB SERVICES

December 2018 - April 2019

- Identified the need of the team to replicate already created Sharepoint solutions using automation.
- Developed Sharepoint and Nintex based AppStore application using workflows and web services in the backend to facilitate automation.

Co-curriculars

Manager, Student Activity Cell, Gujarat Power Engineering and Research Institute

Vice President, Association of Computer Engineering, Gujarat Power Engineering and Research Institute

Certifications

AWS Certified Developer Associate,

<https://www.udemy.com/certificate/UC-4dc553f4-862f-419b-8422-ac2602e8419f/>

The Ultimate Hands-On Hadoop – Tame your Big Data!,

<https://www.udemy.com/certificate/UC-ab42f634-0a1b-4e29-9d9e-4d6c7d1ac113/>

References

Mr. Kevin Lo, Program Manager, ExxonMobil IT, Kevin.y.lo@exxonmobil.com

Mr. Jeffrey Cooper, Leader, IT, Boardwalk, Jeffrey.w.cooper@gmail.com

Mr. Vincent Ignatiuk, Coordinator, Science Operations, University of Regina, Vincent.Ignatiuk@uregina.ca