

Sagar Singh

Software Engineer-Software Developer

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Noida, Delhi

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Synopsis: Software Engineer with 3 years 5 months of experience in Software Development that includes front-end as well as back-end programming. Having good experience in programming languages like Python, Ruby, Ruby on rails and JavaScript. Good knowledge of writing optimized codes and ability to learn things very quickly. Good experience of solving complex programming questions also having 96 percentile in HackerRank's algorithms section. Also having a handy knowledge and experience in machine learning. Good experience with databases and query optimization using python scripts.

EXPERIENCE SUMMARY

- Experience in languages such as Python, Ruby, HTML, CSS, JavaScript and Kafka.
- Experience in frameworks like Django, Ruby on Rails and AngularJs.
- Experience in Machine Learning using Python and libraries like SkLearn, Numpy, Pandas and Matplotlib.
- Expertise in libraries like BeautifulSoup(Web Scrapping), Urllib2(Web Scrapping), SciKit(Machine Learning), NLP(Machine Learning).
- Involved in Web Scrapping projects which were completely based on Python.
- Experience in front end development using Ruby on Rails and JavaScript.
- Experience in databases like PostgreSQL, Mysql and MongoDB.
- Experience in GIT(github open source tools).
- Experience in writing Regular expressions.
- Experience in problem solving and Debugging codes.
- Experience in code optimization.
- Expertise in building queries and validating the Data migration and Data transformation.
- Experienced in coordinating projects with Clients and extensive experience in Client interaction

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- Experience in training and mentoring individuals to maximize levels of productivity.
- Comprehensive knowledge of Agile Software development.
- Comprehensive knowledge of working on Jira.
- Flexible enough to implement new methodologies for higher accuracy and greater productivity in developing new Software.

QUALIFICATION:

Degree	Institute	University/Board	Year
Bachelors of Technology	National Institute of Science and Technology	BPUT, Odisha	2014
Higher Secondary Course	Delhi Public School, Ranchi	CBSE, Jharkhand	2010
Secondary School Leaving Certificate	Kairali School, Ranchi	CBSE, Jharkhand	2008

CERTIFICATIONS:

Certification	Institute	Year
Object Oriented Programming	NIIT	2013
Python	Edx	2015

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TECHNICAL SKILLS /TOOLS:

Technical Skills:

- C, C++
- Python
- Django
- Ruby
- Ruby on Rails
- JavaScript
- JQuery
- HTML
- CSS

Tools:

- GIT
- PyCharms
- Visual Studio
- SVN

PROJECT EXPERIENCE:

Organization

: Aroha Technologies

Languages Used

: Python(BeautifulSoup, Urllib2, Regex, NLP)

Role

: Backend Developer

Environment

: Python, PosygreSql, Windows

Duration

: July2015 to June 2016

Tools Used

: PyChram (Development)

Description: Web scraping (web harvesting or web data extraction) is data scraping used for extracting data from websites. Web scraping software may access the World Wide Web directly using the Hypertext Transfer Protocol, or through a web browser.

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Organizing mined data and training the Machine Learning Algorithms by selecting the correct classifiers and Learning Algorithms.

Roles and Responsibilities:

- Responsible for all backend development covering works related to all Web Scrapping codes, selecting appropriate libraries and building filters using NLP library to remove unwanted content from the data.
- Responsible for selection, training and use of the best fit Machine Learning Algorithms.
- Mostly used Classification and Linear Regression Algorithms.
- Responsible for making web crawlers that can visit various pages and get data or other urls from that page and save it to the database so that it can be filtered and be used by scrappers.
- Writing Regex for various numbers of things to identify between certain things.
- Perform Unit testing on the written codes and test its running time and if it's not optimized then optimization of the code.
- Work with the BAs and Test team to understand the Business logic and create correct flows and codes for the same.
- Suggesting additional scenarios to the Business Team.
- Building Queries and Responsible for 100% validation in backend using SQL Queries.
- Ensuring clear communication channels and timely voicing of risks on the projects.
- Ensuring that data after scrapping remains formatted so that can be easily merged with the front end tables or other UI elements.

Organization

: Living Matrix

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Languages Used	: Ruby on Rails, JavaScript, HTML, CSS, AJAX, Python
Role	: Front End and Back End developer
Environment	: Linux, Ubuntu
Duration	: July 2016 to May 2018
Tools Used	: GIT, ROR, JIRA

Description: Front-end web development is the practice of producing HTML, CSS and JavaScript for a website or Web Application so that a user can see and interact with them directly.

Back-end developer is a type of programmer who creates the logical back-end and core computational logic of a website, software or information system. The developer creates components and features that are indirectly accessed by a user through a front-end application or system.

Roles and Responsibilities:

- Responsible for front end related work like creating a page using JavaScript, HTML and CSS.
- Writing complex back-end logics for fetching data and refreshing the pages without reloading using AJAX.
- Writing the Test Scripts and suggesting additional scenarios to the Business Team.
- Perform Unit testing in the front end and Verification of data in the back-end database using Queries.
- Validated Data movement between Sources to Staging Table. Also validated data accuracy.
- Logging defects and tracking defects till closure.
- Involved in Daily Scrum meeting, Scrum review and Retrospective meetings.
- Using Machine Learning in prediction of data.
- Responsible for taking part in Internationalization of our product.
- Performing basic machine learning on data gathered by the users.

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- Using scripts and codes to clean data and make it usable for machine learning.
- To check if a code can be further optimized.

Organization	: Monster India
Languages Used	: Python, Django, JavaScript, HTML5, CSS, TensorFlow, MYSQL
Role	: Senior Software Developer, Data Scientist
Environment	: Linux, Ubuntu, Windows
Duration	: May 2018
Tools Used	: GIT, Django, JIRA, PyCharm, Visual Studio

Roles and Responsibilities:

- Published multiple dashboards using Django framework JavaScript, JQuery and Chatist.
- Lead of multiple data handling and dashboard related projects.
- Part of Data Science team worked on NER for search improvement.
- Worked on Web Scrapping for data gathering for training of data and other job related websites.
- Created several APIs using Django REST Framework.
- Used concept of MemCache using python for decreasing wait time in frontend.
- Part of daily Scrum meetings.
- Reviewed codes on GIT.
- Used TensorFlow and SciKit for data training and verification.
- Worked on PostgreSQL and optimized several queries using python scripts for better performance on dashboard.
- Database migration for new systems.
- Resume Parser using NER models.