

SAURABH SINGH

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GitHub link - <https://github.com/ssing119?tab=repositories>

Summary:

Experienced software developer having impressive command on programming languages like SQL, PI-SQL, java, C/C++, HTML5, etc. Hands-on experience as a database developer using MySQL, MongoDB, and Mongoose. Freelancer projects help me to adept in front end development of web application or windows application from requirement analysis to system study, designing, coding, testing, debugging and implementation and provides knowledge about Project plan, strategies, and test cases. Knowledge of scripting languages like JavaScript, HTML5, XML, NodeJS, AngularJS, CSS3 and Done projects on Bootstrap4.

Technical Skills:

Operating System : Windows Server, Linux, Unix, macOS
Language : C, C++, Java, PHP, C#, ASP.NET, WordPress
Web Development : HTML5, CSS3, Bootstrap4, JavaScript, jQuery, NodeJS, AngularJS
Database : SQL, MySQL, MongoDB, Mongoose
Application Software : Oracle 10g/11g, Rational Rose, Net bean, Visual Studio, Atom, Web Goat, DVWA, etc.

Academic Qualifications:

New York Institute of Technology, Vancouver BC **July 2019**
Master of Science in Information, Network & Computer Security
JT Mahajan College of Engineering, Jalgaon Maharashtra, India **May 2015**
Bachelor of Engineering in Information Technology

Professional Experience

Globalone Technologies Pvt Ltd, Mumbai, Maharashtra, India **October 2015 – October 2016**
Support Engineer

- Member of the team to create the new protocol for the WebRTC video conferencing solution by using Node.js to provide the interface with socket.io.
- Designed and implemented the user interface for the WebRTC application using the JavaScript (using DOM), HTML5 and CSS3.
- Implement the website which provides the webRTC platform, design and implement the front-end with JavaScript, HTML5, and CSS3 and used the MySQL for the back end.

E-Clinicalworks Pvt Ltd, Mumbai, Maharashtra, India **March 2017 – July 2017**
Software Specialist

- Worked as a SQL Developer for the E-clinicalworks web application.
- Maintained and developed the databases by using Mysql of the billing system for the different hospitals which include the Medical insurance plans.

Freelance projects **November 2016 – till present**

- Designed, implemented, tested and debugged the web applications into freelancer experience, mostly worked on web applications development using the HTML5, JavaScript, CSS3, bootstrap4, Nodejs frameworks as a front-end part and used Mysql, MongoDB, Mongoose for the databases.

Academic Projects/ Research and Presentation

Deep Learning-Based Approach to Detect SQL Injection Attacks **January 2019 – May 2019**

- Designed and implemented the algorithm of Deep Neural Network to detect the SQL injection attack for web applications.
- Designed and implemented deep learning algorithms for SQL Injection detection using python3 with Keras and TensorFlow. Design the algorithm according to the unsupervised dataset. Created the algorithm in python to identify the difference between legitimate and malicious SQL input and after applying Keras model examine and improve the prediction result for the better accuracy.

Exploit the SQL Vulnerability in Web application **September 2018 – December 2018**

- Objective of the undertaking is to find out the SQL Vulnerability in Web applications using burp suite and sqlmap tool.
- Analyze the loopholes of the Web application and exploit the vulnerability using SQLmap, determine that some applications were using the same cookies and token every time.

Alumni Manager **January 2014 – July 2015**

- Designed and implemented the user-friendly web application using the Javascript, CSS3, HTML5, asp.net and SQL-server 2005
- Implemented the java socket programming to communicate with alumni of the college.