Saurabh Trivedi

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Education

Master of Science - Computer Science, San Diego State University, California, USA   Expected May-2019
Bachelor of Engineering - Information Technology, Gujarat Technological University, Gujarat, India   May-2017

Technical Skills

Languages:	Java(proficient), C, C++, C#(.Net), Python, Swift, PHP, HTML5, CSS3
Web Technologies:	Spring, Spring Boot, JSP, Servlets, REST API, Foundation, bootstrap
JS Frameworks/Libraries:	JavaScript, TypeScript, Node, Express, Angular, jQuery, AJAX
Database:	MySQL, MongoDB, Firebase, AWS S3, JDBC, NoSQL, MySQL Workbench
Tools & Technology:	Android, iOS, Amazon AWS, Jenkins, Git, Selenium, Maven, Junit, Jira

Experience

Web Development Intern | Qualcomm Incorporated, California, USA.   Jun 2018 to Present
- Full stack web developer responsible for the end-to-end development of Qualcomm Onboard Portal.
- Creating Onboard Portal user-friendly and responsive using Ajax, jQuery plugins, Foundation and Bootstrap.
- Create database schema to achieve functionality and efficiency of infrastructure also handle database operations.
- Data manipulation with Encoding and Decoding also securing using hashing algorithms, encryption and decryption.
- Train and provide documentation on various features and technology to maximize operational efficiency.
- Test and deploy websites with version controlling using Git on Qualcomm GitHub.
- Write Python scripts to read and modify data from the Excel sheet.

Web Developer | Havmor, Gujarat, India.   Jan-2016 to May-2017
- Developed large and complex web applications in IntelliJ IDEA using Spring, Spring Boot, Maven, JUnit.
- Collaborated with designers to create a clean interface and quality user experience with Angular & TypeScript.
- Complete detailed development task for front-end and back-end side of web applications using RESTful APIs.
- Carried out a quality assurance test to discover bugs and errors and optimize usability.

Project Intern | Renaissance Educare, Gujarat, India.   Aug-2015 to Apr-2016
- Created an online Practice Test (GRE340) for Renaissance Educare using JSP and Servlets.
- Designed, developed and enhanced the look and feel using HTML, CSS and JavaScript, jQuery and Ajax.
- Gathered requirements in the early stages of the development process to build architecture for GRE340.
- Identified, documented and reported bugs, errors, interoperability flaws also executed unit test cases in JUnit.

Projects

Rest API Server | Node, Express, Mongoose, MongoDB, Postman, OAuth, JWT, Passport-Authentication
Develop a full-fledged REST API server to implement the end-to-end solution integrating with JWT authentication.

Face & Eye Detection | Python, Cascade, SVM, OpenCV, NumPy, Cascade, Python Dlib API, Anaconda, Spyder
Prepared and compared the two models using well-known methods (Cascade, SVM) to detect face and eye in running car.

Final Knife | iOS, Swift, Firebase, NoSQL, and JSON
Developed an iOS application which store, edit and retrieve recipes from the database with user registration.

Shopping App | Android, Java, Firebase, NoSQL, and JSON
Developed a fully functional Android application to browse, search, filter and buy cameras.

Online Camera Store | Servlets, JSP, JavaScript, Ajax, and jQuery
Developed an online storefront for Cameras with detailed work on every feature.

Online Inventory System | Perl, State Management, Sessions & Cookies, Encryption and Data Serialization.
Design web application for merchant to add, edit and remove inventory for their business.

Online Library System | PHP, MySQL, JavaScript, HTML and CSS
Created a web application with team planning, peer review based on reuse system and alternative analysis.

Relevant Courses

Android Mobile App Development, iPhone/iPad Mobile App Development, Theory of Parallel Algorithm, Web Technology, Object Orient Programming, Information and Network Security, Cloud Infrastructure and Services, .Net Technology, Big Data Analytics, Applied Computer Vision, Database Management System, Software Engineering.

Workshop & Certification

Server-side Development with NodeJS, Express and MongoDB | The Hong Kong University
Design Patterns | University of Alberta
Cyber Security Workshop | Alpha College of Engineering and Technology