

SHASHANK SINGHAL

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EDUCATION

(MS) Computer Science California State University Dominguez Hills
(BE) Electronics and Communication , SVIT, Vasad, INDIA

Aug21- May23
Jun- 08- Jun-12

TECHNICAL SKILLS

- ❖ **Programming languages:** Java, Javascript, C++ ,Python, HTML, CSS, Bootstrap, Typescript
- ❖ **Web technologies and Frameworks** :-React.js, Node.js, Express.js, RESTAPI, Jest, Springboot, AJAX, Json, MaterialUI
- ❖ **Databases:** SQL, MongoDB
- ❖ **Tools and IDE** : Git, Swagger, Postman, Eclipse, VS code, IntelliJ, Babel, Webpack, NPM, yarn
- ❖ **Miscellaneous:**-Docker, Kubernetes, Kafka, SCRUM ,Jira, AWS, Agile

WORKING EXPERIENCE

California State University Dominguez Hills

Oct '21 – Mar '22

Student Assistant

- ❖ Created SPA News bulletin website for the university using React.js and MySQL. Used various hooks for state management and data retrieval.

PROFESSIONAL EXPERIENCE

Hyperlink Infosystem, India

Jan '20 – Mar '21

Software Developer

- ❖ Developed web application using Java Springboot and React.js for a pharmaceutical company.
- ❖ Used Spring Dependency Injection properties to provide loose coupling between layers. Implemented the Web Service client for the login authentication, credit reports and applicant information using Apache Axis2 Web Service.
- ❖ Used Hibernate ORM framework with spring framework for data persistence and transaction management.
- ❖ Responsible for validation of Client interface JSP pages using Struts form validations.
- ❖ Developed REST services using Spring and Used JAXB API for XML parsing.
- ❖ Developed programs for accessing the database using JDBC thin driver to execute queries, Prepared statements, Stored Procedures and to manipulate the data in the database.
- ❖ Created JUnit test cases for unit testing of classes.

Global LED, India

Jan '14 – Dec '19

Founder

- ❖ Set up an end to end channel for importing- sourcing a product, finding a forwarding agency and getting the custom clearance.
- ❖ Developed zonal distribution network and appointed sales executive to manage them.
- ❖ Raised \$150,000 for opening new segment of luxury chandeliers.
- ❖ Achieved the turnover target of \$300,000 in four months after raising the funding.

Swastik Electronics, India

Jul '12 – Dec '13

Software Engineer

- ❖ Developed a code in C++ for microcontroller 16F72 to be used in digital voltage stabilizer.
- ❖ Conducted various test cases using buck-boost transformer.
- ❖ Delivered the new code for production which enhanced the performance of the stabilizer which increased the sale by 25% .

ACADEMIC PROJECTS

Restaurant menu and ordering web application

- ❖ The extensive feature set of Cart was purposefully created using MaterialUI, bootstrap, CSS and HTML. Frontend was created using React.js and used hooks to give seamless experience to user.
- ❖ Designed and implemented RESTful API endpoints using Springboot and tested using Postman REST Client
- ❖ Implement a third-party library and framework, ie. Formik, Yup.
- ❖ Aided in creating Content Management - Locations, Blogs, Implemented sorting, filtering, routing, and mapping components for enhanced user experience.

Library management app(Java, Typescript, React.js, SQL, Springboot)

- ❖ Developed a comprehensive Library Management System to efficiently manage books, members, and borrowing activities.
- ❖ Enabled editing and updating book information, including title, author, genre, and availability status.
- ❖ Integrated features for updating member details, tracking borrowing history, and managing member accounts.
- ❖ Implemented user authentication using JSON Web Tokens (JWT).
- ❖ Integrated OAuth2 security protocol to enhance authentication and authorization processes.