Swagat Samal

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SKILLS

- Applied web development skills in HTML, CSS, modern JavaScript (ES6), Node.js, Express, jQuery, Vue.js, React.js, Bootstrap, XML, JSON and XAML.
- Hands-on experience with object-oriented programming languages like C#, C++, Java, Android, and SWIFT.
- Working experience creating web applications using React.js and Vue.js in an Agile environment.
- Working experience with creating and consuming REST API and handling data in JSON.
- Working experience with databases MySQL, Microsoft SQL Server, MongoDB.
- Experience with Unit Testing, Integration Testing and User Testing.
- Well versed in creating wireframes using Adobe XD and Figma.
- Working experience with tools like Visual Studio, Visual Studio Code, Postman, Microsoft Office, Adobe XD, Microsoft SQL Server Management Studio and Visual Paradigm.
- Proficient in using version controls: Git, GitHub, and Azure DevOps, Jira.
- Working experience with Jira, Azure DevOps Boards, and Repos.
- Good knowledge of Software Development Life Cycle (SDLC) – Agile and Waterfall.
- Customer-focused development, self-driven and capable of working in a fast-paced environment.
- Excellent Client Interaction.

EXPERIENCE

Software Developer – Full-time position   **(June 2022 – Present)**
At: Sienci Labs, ON, Canada

- Helping optimize and add features to gSender – a web and desktop (Electron) app to operate CNC machines.
- Improved data visualization performance by 9%.
- Building reusable and optimized react components to gain consistency throughout the app.

Environment: React.js, Redux.js, JavaScript, Typescript, Chart.js, Three.js, Node.js, Express.js, Socket.io, Storybook, HTML5, CSS3, SCSS, LESS / Stylus, Electron, Jest, React Material UI

Software Developer - Part-time position   **(Jan 2022 – April end 2022)**
At: Karmax Heavy Stamping (Magna Cosma International), ON, Canada

- In a contract with Conestoga Applied Research
- Worked in an Agile team of Full Stack developers and developed an attendance and production record system for an automobile parts manufacturing plant.
- Optimized data retrieval by 5% and visualization by 12%.
- Designed web pages using Vue.js, HTML, JavaScript, TypeScript, CSS and page design and layout.
- Implemented JSDoc for code documentation.
- Used Azure DevOps as version control for merging the code.
- Implemented Unit and Integration testing.

Environment: Vue.js, JavaScript, HTML, CSS, SCSS, Node.js, Typescript, MySQL, SQL, REST API, Postman, Jest

Student Software Developer – Co-op   **(Sept - Dec end 2021)**
At: Conestoga College - Applied Research & International Education, ON, Canada

- Developed a digital twin for Conestoga Applied Research to implement it in their production labs.
- Designed web pages using Vue.js, HTML, JavaScript, CSS and page design and layout.
- Modified existing CAD files and implemented them on the website to see real-time data from sensors on a 3D model.
- Used agile methodology for Application development.
- Used Azure DevOps as version control for merging the code.
- Implemented Unit testing.

Environment: Babylon.js, Kafka, Vue.js, JavaScript, HTML, CSS, SCSS, Node.js, MySQL, SQL, REST API, Postman

Customer Experience Specialist   **(Aug 2018 - Jul 2020)**
Online Chat Representative   **(Jun 2017 - Feb 2018)**
At: Etech Global Services, Gandhinagar, India
Skills acquired: Desktop and mobile device troubleshooting, Problem-solving, Customer Interaction, Negotiation, Attention to detail, and meeting deadlines.

PROJECTS

gSender (2021) – A web and desktop (Electron) based lightweight app that brings new features to the table for easier CNC calibration, surfacing, tool changing, firmware control, and more.
GitHub Link: https://github.com/Sienci-Labs/gsender

Skills: React.js, Redux.js, JavaScript, Typescript, Chart.js, Three.js, Node.js, Express.js, Socket.io, Storybook, HTML5, CSS3, SCSS, LESS / Stylus, Electron, Jest, React Material UI

WHIM (2022) – A MERN stack web application that helps users find and learn new hobbies.

GitHub Link: https://github.com/ssamal94/whim-frontend

Skills: React.js, JavaScript (ES6), HTML5, SCSS, MongoDB, JWT web token, React MUI, APIs

WHIM-Backend (2022) – A Node.js application to manage business logic and database for WHIM.

GitHub Link: https://github.com/ssamal94/whim-backend

Skills: Node.js, JavaScript (ES6), MongoDB, JavaScript Web Token (JWT), Azure DevOps (for my college)

Student Record System (2022) – A React.js app that fetches data from API to display and search through records.

GitHub Link: https://github.com/ssamal94/students-record

Skills: React.js, JavaScript (ES6), HTML5, SCSS, React MUI, APIs

EDUCATION

Mobile Solutions Development (Co-op) – Post Graduate Certificate (3.8 GPA)   **(Jan 2021 - April 2022)**
Conestoga College, Waterloo, ON
Bachelor of Technology, Computer Science (3.11 GPA)   **(2013 - 2017)**
Synergy Institute of Engineering and Technology, India

INTERESTS

Photography, Videography, Tech talks, Motorcycles and Travelling.