SAURAV BHALOTIA

SOFTWARE ENGINEER - FRONT END DEV | FULL STACK DEV

CONTACT

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EDUCATION

2013

Master in Science, Computer Science from Polytechnic Institute of New York University, New York, USA

2010

Bachelor of Engineering, Computer Science, New Horizon College of Engineering (NHCE), Bangalore, India

PROJECTS   GITHUB

React App (microservices)   Apr'24 - Present

- ❖ Designed and Developed a React App with common features like - Login, Register, CRUD operations on Product & User, ToDo List and Posts.
- ❖ Ideated a common component for TextInput and reuse component or extend as HOC wherever necessary.
- ❖ Designing NodeJS Backend micro-services with 3 different DB - Local MySQL, MongoDB and DynamoDB.
- ❖ Front End uses React 16.8 onwards with Redux Toolkit for Data Management and Back End is a NodeJS v21 micro service architecture comprising Gateway, User, Product.
- ❖ Added FormValidation and below NodeJS Logging for debugging efficiently.

NodeJS Logging   Mar'24 - Apr'24

- ❖ Ideated logic to achieve logging strategy to colour content and push logs into separate file out of application.
- ❖ Achieved with help of 'events' package by extending class and triggering logic on event emittance.
- ❖ Helps in understanding internal working of NodeJS app as well as quick debugging.

Dedicated Professional with experience in Software Engineering, Operations & Production Management. Targeting remote opportunities to leverage expertise in Full Stack Development & grow professionally.

PROFILE SUMMARY

- ❖ Experienced Software Engineer with 5 years of technical expertise in the Product domain at Market Medium, showcasing proficiency in API implementation and process configuration.
- ❖ Skilled in utilising a wide range of front-end technologies such as HTML5, CSS3, JavaScript, NodeJS, ReactJS, Redux-Toolkit, Tailwind CSS, MySQL, NoSQL, ExtJS, Sequelize, JMeter, and other necessary tech tools to develop innovative and user-friendly web solutions.
- ❖ Collaborative approach in providing technical support for Rebates, Revenue, and Channel at Market Medium, excelling in troubleshooting, debugging, and resolving data issues.
- ❖ Entrepreneurial background as a co-founder of a Fly Ash and Cement-based Bricks Manufacturing Unit and Distribution House, managing various aspects of business operations such as product management, research, predictive data analysis, and operations management.
- ❖ Possess strong interpersonal and collaboration skills through effective communication with individuals at all levels.

WORK EXPERIENCE

Jun'22 - Mar'24

Software Engineer
Market Medium (A Vendavo Company)   Remote

Tools Used: HTML5 & CSS3, ExtJS (6.6.0 → 7.6.0), NodeJS, MySQL & MongoDB, JSON, VS Code, Bitbucket, AWS Cloud Infra, Azure DevOps Pipelines, Shell Scripting, JIRA & Scrum Agile Environment.

Responsibilities:

- ❖ Coordinating with consultants, the team conducts in-depth root cause analysis of reported issues and provides technical support for the Rebates and Channel Management (RCM) App in both prod and non-prod environments
- ❖ Engaged in troubleshooting, debugging, handling data incremental and escalated issues, and ensuring seamless integration with existing setup & enhancing system stability.
- ❖ Streamlining the automation process using techniques like bash scripting to cron and generating Incremental Delta between release versions.
- ❖ Liable for reducing the time required for regression during production DB migration, resulting in a 70% improvement in overall efficiency.
- ❖ Enhancing the design of the Maas Upload feature for deals by incorporating new and missing attributes.
- ❖ Implementing new Reports Configuration and Query Procedures to fill in missing data in tables.
- ❖ Focusing on harmonizing the settings pages of the app, setting up report functionality, and implementing various other improvements.
- ❖ Spearheading participation in scrum meetings and code reviews ensures contribution to a collaborative and efficient work process.

May'14 - Dec'15

Programmer Analyst
Egen Solutions

USA

Responsibilities:

❖ Worked on-site as consultant with various clients on projects focused on UI & Front-End development.

❖ Spearheaded product development process of SaaS SPA/PWA by contributing to design & development, testing, debugging of enterprise-level web applications.

❖ Refactored business requirements into functional and system designs.

❖ Created iterative Mockups, Prototypes, and Proof of Concept Modules.

❖ Developed code to ensure WAI-ARIA accessibility and IE 8 browser compatibility through Conditional Code formatting.

❖ Experience in developing Responsive Web Designs using Twitter Bootstrap CSS.

Client: Digital Insight, UI/Web Application Developer   Redwood City, CA

❖ Designed, developed, debugged, and tested application features and user interface using HTML/HTML5, CSS/CSS3, JavaScript/OOJS, and ExtJS (v3.4) framework.

❖ Implemented features such as Collection Sub-Totals and added functionality to Edit & Delete Category, supporting cross-browsers (minimum IE8).

❖ Worked closely with other developers, product owners, and stakeholders to ensure the feasibility of UI development and user experience.

❖ Utilized tech stack and environment including HTML/HTML5, CSS/CSS3, JavaScript, OOJS, ExtJS, JSON, AJAX, P4V, Sublime Text, Eclipse, Chrome DevTools, Firebug, Share-point, Splunk, JIRA, and Scrum Agile Environment.

Client: Wells Fargo & Company, Front End Developer   San Francisco, CA

❖ Developed, fixed, and tested web components modules as an extension to YUI3 Framework using HTML5, CSS3, JavaScript, SCSS preprocessor, and internal Gulp based build process (fedtools).

❖ Implemented responsive web components for desktop, tablet, mobile platforms, ensuring cross-browser/platform compatibility (including IE8 minimum).

❖ Collaborated with designers to implement and fix defects related to WAI-ARIA Accessibility compatibility of web components.

❖ Utilised tech stack and environment including HTML5, CSS3, SCSS, JavaScript, JSON, OOJS, AJAX, YUI3, MVC with Pub-Sub, Git/Gitlab, Source Tree, Fedtools, Sublime Text, Chrome DevTools, Firebug, Kanban, Scrum Agile Environment, JIRA, and Confluence

Client: Choicehotels, Inc. User Interface Developer   Phoenix, AZ

❖ Developed and tested Multi-Variant (MVT) User Story Modules for the choicehotels.com website using HTML5, CSS3, JavaScript, JSON, XML/XSLT, and jQuery/jQuery UI.

❖ Designed responsive user interface for desktop and tablet, fetching data from TeamSite CMS and ensuring cross-browser/platform compatibility.

❖ Implemented client-side form validation, AJAX calls, and browser cache mechanism for seamless page updates without reloading.

❖ Collaborated with business analysts and product owners to understand functional and business requirements and worked with UX team to discuss implementation feasibility of MVT modules.

❖ Utilized tech stack and environment including HTML5, CSS3, JavaScript, AJAX, JSON, rapidSVN, XML, XSLT, jQuery/jQuery UI, TeamSite, Sublime Text, Chrome DevTools, Rally-Dev, and Scrum Agile Environment.)

ACADEMIC PROJECTS

Chat Application, NYU-Poly *Nov'12 - Dec'12*

- ❖ Developed a standalone GUI application for chatting over a network using Java
- ❖ Managed each user as a client thread to login into the application through authorisation by a server thread
- ❖ Implemented features such as login, register, and broadcast chat.
- ❖ Focused on user interface design and threads interaction

Multi-Touch Gesture Authentication, NYU-Poly *Feb'12 - May'12*

- ❖ Conducted usability testing for a HCI course to evaluate the ease of using hand gestures as an authentication measure.
- ❖ Investigated the usability of hand gestures to unlock touch screen devices like the iPad.
- ❖ Observed application-specific security measures like recall-ability and predictability of hand gestures on pattern and non-pattern based background images.
- ❖ Analysed participant feedback over a period of time

INTERNSHIP

Jun'12 – Aug'12: New York

Summer Internship as Programming Intern with Programming Services Team in Forex Capital Market (FXCM)

PERSONAL DETAILS

Address:
Raipur, Chhattisgarh - 492004

Languages Known:
English, Hindi

Aug'13 - May'14

Software Engineer, Managed Services Team New York
Redline Trading Solutions, Inc.

Responsibilities:

- ❖ Facilitated clients in the smooth running of Redline API by coordinating with engineers to diagnose reported issues
- ❖ Monitored daily API statuses at Open, During, and Close of the Market, deployed on RHEL6 Linux servers, using NAGIOS
- ❖ Implemented monitoring scripts in BASH Shell Scripting that sent out email alerts upon meeting triggering thresholds through CRON Jobs
- ❖ Scheduled jobs for different application upgrades and statistics collections.

ADDITIONAL EXPERIENCE

Apr'16 - Mar'22

Co-founder Western Odisha
FAB Bricks & Ekdant Electronics

Fly Ash and Cement based Bricks Manufacturing Unit and Distribution House dealing in Consumer Electronics and Home Appliances in the Western Odisha region

Responsibilities:

- ❖ Implemented the BOOM methodology (Built, Own, Operate, and Maintain) to establish and grow the startup.
- ❖ Conducted research and performed Predictive Data Analysis to make informed decisions.
- ❖ Successfully scaled manufacturing efficiency from 50% to 80% within months of operation.
- ❖ Developed a strong foundation in Statistical Analysis, laying the groundwork for a future role as a Data Scientist.
- ❖ Spearheaded Operations Management, scaling production, Engineering for Efficiency, and accounting & compliance.
- ❖ Managed a team of professionals, including 4 skilled Salesmen and up to 25 semi-skilled resources.
- ❖ Utilised tools such as Microsoft Excel, Tableau, and Tally ERP 9 for data analysis and accounting.
- ❖ Improved product quality and gained market recognition in a short time frame.
- ❖ Achieved a 3-fold Year-Over-Year sales revenue increase in manufacturing, growing from 23.10L to 86.28L.
- ❖ Initiated sales revenue increase of over 2 times in distribution, growing from 90.24L to 1.94Cr.

Aug'12 - Dec'12

Graduate Assistant, *Brooklyn*
Center for Advanced Technology in Telecommunication

Responsibilities:

- ❖ Assisting professors & students on Administrative & Clerical tasks like events, PPTs, data entry and meetings & (extra) classes
- ❖ Performed duties like recruiting, orientation activities, analyzing expenses and generating reimbursements excel report.