Sahil Singh
Software Engineer

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Technical Skills

Languages - Javascript, PHP, SQL, NoSQL
Frontend – React, Redux, React-query, NextJS, Gatsby, Angular, Tailwind CSS, Bootstrap, Material-UI, Ant design
Backend – NodeJS, ExpressJS, Sequelize, Laravel, Rails
Database – MySQL, DynamoDB, PostgreSQL, MongoDB, Microsoft SQL server
Testing – Jest, Mocha, Sinon, PHPUnit, Selenium
Dev ops – Docker, Circle CI, Kubernetes, Terraform, Helm, Splunk
Cloud – AWS, GCP, Azure
Agile – Jira, Confluence, Figma, Zeplin
Other notable tools – OAuth2, Okta, Google analytics, Git, GIS & ESRI (Google API), postman

Professional Experience

SalonScale ⬀ Full Stack Engineer   **Saskatoon, Canada** Dec 2022 – Present

- Improved API latency by 60% by removing redundant database calls and utilizing pagination.
- Implemented a service layer in Laravel, minimized code duplication and boosted the delivery of new endpoints by 50%.
- Developed customized queries for detailed client and product reports. By integrating these reports into React, it achieved a 30% increase in report generation speed, ensuring faster and more precise outputs.
- Designed and implemented a notification system that empowered administrators to effectively communicate changes. Achieved a 50% increase in user engagement and feature adoption.
- Strengthened release confidence by achieving 60%-unit test coverage and implementing feature flags. This, paired with a github pipeline replacing manual deployment for React apps, established a more robust and controlled release setup, led to a 3X faster merging and deployment.
- Integrated with Square using adapter pattern, ensuring stability and enabling seamless integration with third-party integrations. Maintaining system stability, adapting swiftly to evolving payment processing needs.
- Collaborated with the design team and customers, incorporating feedback to elevate the user experience, resulting in improved satisfaction and usability.

Strata.ca ⬀ Technical Consultant   **Toronto, ON, Canada** Jun 2022 – Sep 2022

- Revamped user interface and implemented a universal theme provider which boosted engagement for 10,000+ users, with sessions lasting 25% longer and a 10% drop in bounce rate.
- Engineered CRM 3.0 with mobile-friendly design, catering to a burgeoning mobile user base. Improved accessibility and ensured a seamless cross-device experience.
- Optimized Next.js page caching, improved page load times from 7 seconds to 2 seconds.
- Significantly improved Google Maps cluster performance by 2X, boosting platform responsiveness. Crucial for navigating real estate markets, delivering faster and more reliable map-based functionalities to users.

Nagarro Staff Engineer   **India** Mar 2021 – Aug 2022

- Increased code coverage to 85% with 12,000+ unit test lines and automated QA pipelines. This solidifies software reliability, boosting stakeholder confidence in product's quality and stability.
- Expanded skills within an agile ecosystem, actively engaging in planning, grooming, estimations, and problem-solving across two pivotal projects.
- Introduced an efficient onboarding and coaching process, integrating and coaching 12 new team members. Reduced onboarding time from 90 days to just 45, ensuring quicker team integration and productivity.
- Enhanced the critical rule engine algorithm's processing time by 4X through the implementation of BFS (Breadth-First Search), significantly improving overall system efficiency.

RCR Technology Software Engineer   **Indianapolis, US** Apr 2021 – mar 2022

- Developed an Employee Management System offered as a SaaS solution, serving more than 5 clients.
- Established AWS infrastructure and implemented CI/CD for multi-region deployment across 4 regions.
- Achieved a 60% cost reduction by migrating on-premises servers to Amazon Cloud Services.
- Mentored 6 developers in React front-end development practices alongside managing agile tools (Jira, Slack, Zeplin, Confluence).
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JobTerix ↗ Technical Consultant   **Westwood, US** Apr 2021 – Sep 2021

- Orchestrated UI/Architecture design for mobile and desktop. Established APIs and integrated Auth0 token authentication, fortifying the platform's security measures.
- Dramatically accelerated job search speed by 10X by implementing Cloud Elasticsearch, ensuring swift and efficient search results for users.
- Improved SEO performance and achieved a 90 Lighthouse score. Focused on refining Core Web Vitals for better user experience.
- Constructed the landing site and admin portal using Gatsby and GraphQL, emphasizing SEO optimization and crafting user-friendly interfaces.

Srijan Technology Software Engineer   **India** Aug 2019 – Mar 2021

- Had been a part of development and agile ceremonies like scrum, sprint planning, grooming, team-retrospectives, performance reviews and application lifecycle management.
- Polished the skill of planning tasks, estimating efforts during planning, and managing 2 major product releases.
- Conducted a thorough analysis of the legacy algorithm for end-to-end load testing and user authorization flow, resulting in a 30% improvement in system efficiency.
- Accelerated Monte-Carlo simulation algorithm performance by 75% and prepared more than 15 data visualization charts and growth graphs.
- Written unit test cases using Sinon, jest, mocha, and Enzyme and accomplished 80% code coverage.
- Applied code-splitting and lazy loading (React) and reduced critical render path load time by 45%.
- Designed flexible React Presentation Mode empowering business users to generate PowerPoint presentations directly from live data. This highly valued feature was extracted as a standalone library and embraced by five teams within McKinsey & Company.

Academic Credentials

Cloud Computing and Blockchain   **SIAST SK, Canada** Aug 2022 – Apr 2023

AWS cloud practitioner   **Online, AWS** May 2022

Master of Computer Applications   **IGNOU** Jun 2017 – Dec 2021

Bachelor in Computer Applications   **IGNOU** Jun 2013 – Jun 2017

Honours and Awards

Excellence Awards   **Nagarro and BMW** July 2022

Appreciation letter for volunteering for Laboratory management system   **NAIT Edmonton, AB** Aug 2020