

Ronak Sonigra

Full-Stack Developer | Technical Leader
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Professional Summary

Senior Software Engineer and Technical Leader with 7+ years of experience developing scalable web applications and leading high-performing engineering teams. Expertise in JavaScript frameworks (Angular, React, Node.js), micro-frontend architectures, and team management. Proven track record of managing teams of up to 7 engineers while delivering enterprise solutions across EdTech, Media, LegalTech, and IoT industries. Specialized in web accessibility (WCAG compliance), performance optimization, and developer mentorship with a track record of improving application performance by 40% and reducing development time by 30%.

Technical Skills

Frontend Technologies: Angular, React, Stencil, JavaScript, TypeScript, HTML5, CSS3, RxJS, NgRx

Backend Technologies: Node.js, Express.js, RESTful APIs

Architecture: Micro-frontends, Module Federation, Component-based Architecture, Scalable Systems

Cloud & DevOps: AWS, Google Cloud Platform, Azure, CI/CD, Docker, Firebase

Database: SQL, NoSQL, MongoDB

Testing: Unit Testing, Integration Testing, Jasmine

Tools: Git, Webpack, npm, Yarn, Jira, Confluence

Specialties: Web Accessibility (WCAG), Performance Optimization, Code Review, Team Leadership

Project Experience

Math Quests - Educational Gaming Platform

Duration: 7 months | **Team Size:** 14 members | **Role:** Technical Lead

Technologies: React, Angular, TypeScript, HTML5, CSS3, AWS

Project Overview: Interactive educational gaming platform helping school students learn mathematical concepts through real-world applications and gamified learning experiences.

Achievements:

- Led and managed a team of 7 software engineers, providing mentorship and technical guidance
- Implemented comprehensive accessibility compliance (WCAG 2.1 AA), expanding user base accessibility
- Established code review processes and development standards, improving code quality metrics by 25%
- Achieved smooth production deployments with zero downtime

Savvas Realize - Learning Management System

Duration: 27 months | **Team Size:** 20 members | **Role:** Senior Frontend Developer

Technologies: Angular, Stencil, Node.js, Java, TypeScript, JavaScript, RxJS, NgRx, AWS

Project Overview: Savvas Realize is the digital home of more than 1,000 interactive Savvas programs. The learning management system advances learning to better serve each student, teacher, and school system.

Achievements:

- Architected and implemented micro-frontend solutions using Module Federation, improving scalability by 40%
 - Developed reusable UI component libraries adopted across 5+ applications, reducing development time by 30%
 - Collaborated with cross-functional teams ensuring regular deployment of micro-frontends to production
 - Optimized application performance and resolved accessibility bugs across existing web applications
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4iG and ObscurePI - Electronic Discovery Platform

Duration: 20 months | **Team Size:** 25 members | **Role:** Frontend Developer

Technologies: Angular, Java, Python, .NET, TypeScript, JavaScript, RxJS, Kendo UI, Bootstrap, RabbitMQ

Project Overview: 4iG and ObscurePI is an Electronic Discovery and Information Governance web application that identifies, manages, and protects personally identifiable information through various automated actions such as redaction, anonymization, deletion, and encryption.

Achievements:

- Enhanced the advanced query builder with improved user experience, reducing query creation time by 50%
 - Designed and implemented the template module architecture supporting 10+ dynamic template types
 - Built a comprehensive report module enabling dynamic report generation with custom formatting
 - Optimized application performance by identifying bottlenecks, improving load times by 35%
 - Mentored team members and conducted technical interviews for frontend developer positions
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RetailMate Web Portal - IoT Analytics Dashboard

Duration: 18 months | **Team Size:** 4 members | **Role:** Frontend Developer

Technologies: Angular, Java, TypeScript, Bootstrap, Azure

Project Overview: RetailMate Web Portal is a web application that displays sales information, product demand, live inventory, connected devices, and much more, while generating comprehensive reports.

Achievements:

- Designed and developed responsive dashboard and home pages with real-time data visualization
 - Created a dashboard management system allowing users to customize reporting views
 - Implemented multi-format report generation (PDF, Excel, CSV) with advanced filtering capabilities
 - Developed technical documentation and user stories for recommendation engines
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SATT - Online Assessment Platform

Duration: 5 months | **Team Size:** 2 members | **Role:** Full-Stack Developer

Technologies: Angular, Node.js, MongoDB, TypeScript, Firebase, Google Cloud Storage, Sharp, ResembleJS, ffmpeg

Project Overview: SATT is an online assessment tool with an admin application and a client application. Administrators can create assessments, invite candidates, and view or download assessment reports. The client application allows candidates to take assessments online and supports remote proctoring.

Achievements:

- Developed a comprehensive user activity tracking system capturing screen, webcam, microphone, and input data
- Implemented secure API authentication using a custom token system, enhancing application security
- Created an automated media processing pipeline with image extraction and logo detection

- Built a video player with Picture-in-Picture mode for assessment review and analysis
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Scripps Market Predict - Political Analytics Platform

Duration: 6 months | **Team Size:** 7 members | **Role:** Frontend Developer

Technologies: Angular, .NET Core, MySQL, ngx-charts, Bootstrap, Snowflake, Okta

Project Overview: Market Predict is a political analytics platform that provides meaningful insights based on data collected during previous election years, helping users predict and plan ongoing or future campaigns.

Achievements:

- Built an interactive dashboard with user preference management and historical polling visualization
 - Developed a dynamic filter panel with advanced filtering capabilities
 - Created spending analysis and creative dashboards for candidate comparison
 - Implemented raw data export functionality for all reports and analytics
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Dharji - Local Boutique Discovery Mobile Application

Duration: 2 months | **Team Size:** 6 members | **Role:** Frontend Developer

Technologies: NativeScript, Java, TypeScript, JavaScript, XML, CSS

Project Overview: Dharji is a mobile application designed to help users find local boutiques, browse collections, add measurements, and place orders.

Achievements:

- Developed the merchant review system and customer measurement management
 - Implemented order tracking functionality
 - Improved UI responsiveness
 - Verified cross-platform compatibility on Android and iOS devices
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FDBK - Dating Application

Duration: 2 months | **Team Size:** 5 members | **Role:** Full-Stack Developer

Technologies: NativeScript, Angular, Firebase

Project Overview: FDBK is a dating application that helps users create interesting profiles, rate profiles, view feedback, match and interact with other users, and improve self-esteem by taking personality development courses.

Achievements:

- Developed the matching algorithm and chat functionality
 - Created a user authentication flow with phone verification
 - Developed a feature to report a user profile or messages to the support team
 - Integrated payment systems and subscription models, increasing conversion rate by 20%
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Education

Bachelor of Technology in Mechanical Engineering

SRM University | 2012 – 2016

- Designed and fabricated a tree climbing robot
 - Developed an automatic material handling system for industrial applications
 - Designed a three-wheel leaning vehicle with innovative stability control
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Achievements and Awards

- **Certificate of Recognition** - Exemplary performance in RetailMate Solution Platform Development (2016-2017)

- **Best Economical Robot Award** - Robocon 2014, Pune
- **SAE RoboSoccer Champion** - SAE Week 2013, Chennai
- **Team Leadership** - Successfully managed and mentored 40+ students across multiple projects