

RAHUL SIWAL

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SENIOR FULL STACK SOFTWARE ENGINEER

Senior Full Stack Software Engineer with 10+ years of experience designing, developing, and delivering scalable enterprise-grade, SaaS, and cloud-enabled applications. Expertise in PHP, Node.js, Express.js, React.js, React Native, JavaScript, MySQL, MongoDB, and AWS. Proven track record of architecting high-performance backend systems, RESTful APIs, analytics platforms, IoT solutions, enterprise push notification infrastructure, and business-critical applications. Experienced in AI-assisted software development, LLM prompt engineering, and modern AI developer tools to accelerate software delivery, improve code quality, and enhance engineering productivity. Passionate about designing scalable architectures, optimizing system performance, and delivering secure, reliable, and production-ready software.

TECHNICAL SKILLS

- ❖ **Programming Languages:** JavaScript (ES6+), TypeScript, PHP 8+
- ❖ **Frontend/Mobile:** React.js, Next.js, React Native, Expo, HTML5, CSS3, Bootstrap, Tailwind
- ❖ **Backend:** Node.js, Express.js, PHP, CodeIgniter, Laravel, RESTful APIs, JWT Authentication
- ❖ **Database:** MySQL, MariaDB, MongoDB, SQLite, Redis
- ❖ **Client-Side Storage:** AsyncStorage (React Native), Local Storage, Session Storage, Cookies, JSON-Based Local Database
- ❖ **Cloud & DevOps:** Linux, Apache, PM2, Cron Jobs, Git, Git-Based CI/CD Workflows, AWS (EC2, S3, SES, RDS), Google Cloud Platform (GCP), Firebase
- ❖ **Messaging & IoT:** MQTT
- ❖ **Architecture:** System Design, RESTful API Design, Performance Optimization, MVC
- ❖ **AI & Developer Tools:** LLM Prompt Engineering, AI-Assisted Software Development, LLM Integration, ChatGPT, Gemini, Google Antigravity, Cursor, Claude Code
- ❖ **Domain Expertise:** AdTech • MarTech • Analytics • IoT • Enterprise SaaS • Mobile Applications • E-commerce • AI-Powered Content Platforms

PROFESSIONAL EXPERIENCE

Senior Software Engineer | MoMagic Technologies Pvt Ltd | 2017 – Present

- Architected, developed, and maintained scalable backend systems, RESTful APIs, MVC-based web applications, and responsive user interfaces using PHP, Node.js, Express.js, React.js, MongoDB, MySQL, and JavaScript.
- Led the end-to-end delivery of multiple enterprise products, including solution architecture, implementation, deployment, maintenance, and performance optimization.
- Engineered a high-volume push notification infrastructure capable of processing and delivering enterprise-scale notification campaigns.
- Implemented advanced notification segmentation engines with secure authentication, audience targeting, scheduling, filtering, and campaign management capabilities.
- Developed analytics dashboards and reporting systems for mobile app attribution, campaign performance, and user engagement tracking.
- Designed and implemented secure multi-role administration panels with Role-Based Access Control (RBAC) and comprehensive user management features.
- Designed and developed scalable RESTful APIs consumed by mobile applications, web portals, and IoT platforms.
- Built React.js-based analytics SDKs and interactive dashboards for real-time event tracking and data visualization.
- Architected IoT device management platforms supporting real-time device monitoring, telemetry processing, and lifecycle management.
- Integrated AWS cloud services, including MQTT-based communication, for secure IoT data ingestion and cloud connectivity.
- Developed backend services for remote device control, command processing, and secure device communication.
- Delivered e-commerce platforms, content management systems (CMS), and blogging solutions with SEO-friendly architecture.
- Optimized database schemas, API performance, and application scalability for enterprise-grade, high-traffic applications.
- Collaborated with Android, QA, DevOps, Product Management, and business stakeholders to deliver high-quality, production-ready software.
- Participated in system design discussions, code reviews, production issue resolution, release planning, and deployment activities.
- Improved application performance through API optimization, database indexing, query optimization, and backend performance tuning.

- Mentored junior developers through code reviews, technical guidance, best-practice sharing, and architectural discussions.

Full Stack Developer | NMSS Technologies Pvt Ltd | 2015 – 2017

- Developed and maintained dynamic web applications using PHP, MySQL, JavaScript, jQuery, HTML5, and CSS3.
- Developed and customized WordPress themes and plugins based on client requirements and business specifications.
- Built and maintained e-commerce platforms, including product catalog management, order processing, payment gateway integration, and administrative modules.
- Designed and developed RESTful APIs for Android applications and third-party system integrations.
- Developed travel management modules, including booking workflows, customer management, administrative dashboards, and reporting features.
- Optimized database queries and application performance to improve scalability, responsiveness, and user experience.
- Integrated third-party APIs, payment gateways, and external services to extend application functionality.
- Collaborated with UI/UX designers and mobile developers to deliver responsive, user-friendly web applications.
- Resolved production issues, implemented feature enhancements, and provided ongoing maintenance and technical support for client applications.
- Participated in the complete software development lifecycle (SDLC), including requirement analysis, development, testing, deployment, and post-release maintenance.



KEY PROJECTS

App Attribution Tracking & Analytics Platform

- Developed and maintained the web portal, analytics dashboard, reporting system, and campaign management platform for mobile app attribution tracking.

Role: Full Stack Developer

Technologies: PHP • JavaScript • MySQL • HTML5 • CSS3 • Bootstrap • RESTful APIs

High-Volume Push Notification Platform

- Developed a scalable notification sender capable of processing and delivering large-scale push notification campaigns efficiently.

Role: Backend Developer

Technologies: Node.js • Express.js • MongoDB • RESTful APIs

IRCTC Notification Engine & Audience Segmentation

- Built the notification management panel, audience segmentation engine, campaign management system, backend services, and notification sender.

Role: Full Stack Developer

Technologies: Node.js • PHP • MongoDB • MySQL • JavaScript • RESTful APIs

IoT Device Tracking Platform

- Designed and developed a complete IoT device management platform with real-time monitoring, RESTful APIs, and administrative dashboard.

Role: Full Stack Developer

Technologies: React.js • Node.js • Express.js • MongoDB • RESTful APIs

Remote Device Control Platform

- Developed secure backend services, RESTful APIs, and a multi-role administration panel for remote device management.

Role: Backend Developer

Technologies: PHP • MySQL • JavaScript • HTML5 • CSS3 • Bootstrap • RESTful APIs

Web Analytics SDK

- Developed a React.js-based analytics SDK and dashboard for tracking user interactions and application events.

Role: React.js Developer

Technologies: React.js • JavaScript • HTML5 • CSS3 • RESTful APIs

Solar Inverter & Battery IoT Data Logger

- Developed the backend platform for collecting, processing, and monitoring IoT telemetry using AWS MQTT.

Role: Backend & IoT Developer

Technologies: Node.js • MongoDB • AWS MQTT • RESTful APIs

Healthcare E-commerce & Blogging Platform (Skinpal)

- Developed the e-commerce website, admin panel, blogging platform, RESTful APIs, and backend management system.

Role: Full Stack Developer

Technologies: PHP • MongoDB • JavaScript • Bootstrap • jQuery • RESTful APIs

Travel Agency Management System

- Developed a complete travel booking and management platform with customer, booking, and administration modules.

Role: Full Stack Developer

Technologies: PHP • MySQL • JavaScript • jQuery • HTML5 • CSS3 • Bootstrap

PRODUCTS & PERSONAL PROJECTS

Depto Flow – Personal Finance Mobile Application

- Designed and developed a cross-platform personal finance application with expense tracking, budgeting, contact ledger, analytics, Google Drive backup, and offline-first architecture. Published on Google Play Store and continuously enhanced with new features.

Google Play: <https://play.google.com/store/apps/details?id=com.depto.flow>

Website: <https://flow.depto.in>

Role: Founder & Full Stack Developer

Technologies: React Native • PHP • SQLite • Google Drive API • Firebase • RESTful APIs

AWS Backup Manager

- Designed and developed a web-based backup management platform for automating server, database, and file backups to AWS S3 with scheduling, retention policies, and multi-user administration.

Website: <https://s3.depto.in>

Role: Full Stack Developer

Technologies: PHP • AWS S3 • Linux • Cron Jobs • SQLite • RESTful APIs

AI Writer & Blogging Platform

- Designed and developed an AI-powered content generation and blogging platform featuring AI-assisted article generation, prompt management, SEO metadata generation, AI image generation workflow, content publishing, social media content distribution, and multi-role administration. Integrated multiple LLM providers to automate high-quality blog creation.

Website: <https://flow.depto.in/blog/>

Role: Founder & Full Stack Developer

Technologies: PHP • JavaScript • MySQL • RESTful APIs • AI APIs • Prompt Engineering • LLM Integration

KEY ACHIEVEMENTS

- ✓ 10+ Years of Professional Experience
- ✓ Delivered 50+ Client & Enterprise Software Projects
- ✓ Designed and Delivered Scalable RESTful APIs
- ✓ Developed Enterprise Notification Platforms
- ✓ Built Enterprise IoT Platforms
- ✓ Developed Mobile Analytics & Attribution Platforms
- ✓ AI-Assisted Software Development
- ✓ Cross-Platform Mobile Development (React Native)

EDUCATION

Master of Computer Applications (MCA)

Harcourt Butler Technological Institute (HBTI), Kanpur

2012 - 2015

Bachelor of Computer Applications (BCA)

Institute of Informatics & Management Sciences, CCS University

2009 - 2012

CERTIFICATIONS

➤ **Meta Professional Specializations (Coursera)**

- React Basics
- Advanced React
- React Native

➤ **Modular Employable Skills Certification**

Ministry of Labour & Employment, Government of India