

Charanpreet Singh Chawla

Full-Stack Engineer | MERN Stack | Scalable Systems | Product Engineering

📞 +91 9868419742 • ✉ cpreet.chawla.work@gmail.com • 📍 Mohali, India

🌐 <https://linkedin.com/in/charanpreet-chawla>

🔗 <https://charanpreet.me>

SUMMARY

Full-Stack Software Engineer with 6+ years of experience building scalable web applications using JavaScript, React, Node.js, and PostgreSQL. Proven track record of delivering high-impact product solutions, including platforms serving 50K+ users and systems handling 5,000+ daily transactions. Skilled in REST API development, cloud deployments (AWS), and performance optimization. Strong experience in startup environments, leading end-to-end product development and driving measurable improvements in efficiency, engagement, and revenue.

EXPERIENCE

Awake Therapy & TherapyTips.org

Chandigarh, India

Full-Stack Engineer & Product Lead

Dec 2024 - Nov 2025

- Architected and developed a fullstack platform using React, Node.js, and PostgreSQL, scaling to 50,000+ monthly users with 99.9% uptime
- Designed analytics dashboards integrating GA4 and backend APIs, increasing content conversion rates by 35% through data-driven insights
- Engineered CMS workflows using Payload CMS and Google Sheets integrations, reducing content publishing time by 87% (2 hours → 15 minutes)
- Built SEO-driven interactive quiz engines generating 10,000+ monthly completions and improving session duration by 45%
- Led cross-functional collaboration and established engineering documentation and UI/UX standards, reducing onboarding time by 60%

Gravity Engineering

Senior MERN Stack Engineer

May 2024 - Aug 2024

- Developed scalable e-commerce features using React, Node.js, and Express, improving platform performance and reducing page load time by 40%
- Built unified REST APIs integrating vendor and marketplace systems, reducing order processing errors by 25% and improving response time
- Designed real-time quality check dashboard enabling 200+ daily inspections with 98% operational accuracy

WITS Innovation Labs

Chandigarh, India

Software Engineer

Sep 2022 - Apr 2024

- Built enterprise logistics platform using React, React Native, and Node.js on AWS, supporting 5,000+ daily shipment transactions
- Led client requirement analysis and solution design, achieving 90% first-cycle approval rate for delivered POCs
- Developed 4 internal tools replacing third-party software, reducing annual costs by \$12,000 and improving operational efficiency
- Engineered technical assessment platform used across 8 universities, enabling evaluation of 2,000+ candidates and optimizing hiring workflows

ShamlaTech

Bengaluru, India

React.js Developer

Jan 2022 - Jul 2022

- Developed Web3 frontends using React and Redux, enabling 1,000+ daily blockchain wallet transactions via MetaMask integration
- Built reusable component libraries (wallet connectors, charts), reducing development time for new projects by 50%
- Customized and optimized open-source codebases, delivering production-ready solutions 2 weeks ahead of schedule

KiddyPi

Bengaluru, India

Web Developer & Competition Mentor

Dec 2020 - Aug 2021

- Developed educational platforms using React and Angular, training 500+ students in programming and game development
- Mentored 15 student teams for global competitions, with 3 teams reaching final stages
- Built Android-based educational games achieving 2,000+ downloads and improving engagement metrics

PMS Robotics

Pune, India

Web Developer & Robotics Instructor

Mar 2020 - Sep 2020

- Developed backend systems using Node.js and React for course management, supporting 300+ student registrations with zero downtime
- Led rapid platform digitization during COVID, transitioning to online delivery in 7 days and maintaining 95% retention rate
- Designed robotics curriculum and mentored engineering students on hardware-software integration projects

KPIT

Pune, India

Freelance Web Developer & Test Engineer

Aug 2017 - Sep 2018

- Built React-based internal tools improving team productivity and reducing reporting overhead by 30% across 50+ members
- Developed and validated automotive software components using MATLAB, delivering 15+ production-ready modules
- Identified and resolved 20+ system defects during testing, reducing post-deployment issues by 40%

EDUCATION

Bachelor's Degree in Automotive Design Engineering • GPA: 3.69/4

Jan 2013 - Dec 2017

University of Petroleum and Energy Studies

Dehradun, India

SKILLS

Full-Stack Development & MERN Stack: React.js, Node.js, Express.js, Redux, React Native, RESTful APIs

Healthtech Solutions & Impact: Digital Health Solutions, Payload CMS, SEO Optimization, Analytics Dashboards, User Engagement

Project Leadership & Management: Project Leadership, Cross-Functional Collaboration, Client Relationship Management, Engineering Documentation Standards, UI/UX Guidelines

Web Development & Design: HTML5, CSS3, Tailwind CSS, Responsive Web Design, Web3 Frontend Solutions

Technical Infrastructure & Cloud Platforms: AWS, Docker, CI/CD, Linux, Bash Scripting

CERTIFICATIONS

Advanced Certificate Program in Full Stack Development

2021-01

Great Learning