CHARANPREET SINGH CHAWLA

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PROFESSIONAL SUMMARY

Fullstack Software Engineer with 6+ years of experience designing, developing, and deploying scalable web applications. Strong proficiency in JavaScript, React, Node.js, and PostgreSQL with hands-on experience in Docker, RESTful API development, and cloud deployments. Proven track record in startup and fast-paced product environments, delivering end-to-end solutions from frontend to backend. Experienced in cross-functional collaboration, technical documentation, and agile development practices.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, HTML5, CSS3, C++, C

Frontend: React.js, Redux, React Native, Tailwind CSS, Responsive Web Design

Backend: Node.js, Express.js, RESTful APIs, Payload CMS

Databases: PostgreSQL, SQLite, MongoDB

DevOps & Tools: Docker, AWS (EC2, SQS, S3), Git/GitLab, Linux, Bash Scripting, CI/CD

Other: Data Structures & Algorithms, OOP Principles, Unit Testing, Agile/Scrum, Technical Documentation

PROFESSIONAL EXPERIENCE

Full-Stack Engineer & Product Lead

Awake Therapy & TherapyTips.org | Remote/Chandigarh | December 2024 - November 2025

- Tasked with building a scalable content platform for a global psychology brand lacking technical infrastructure; architected and developed fullstack solution using React, Tailwind CSS, Node.js, and PostgreSQL/SQLite, resulting in a platform now serving 50,000+ monthly visitors with 99.9% uptime

- Identified need for data-driven content strategy; designed and implemented custom analytics dashboards integrating GA4 with backend services, enabling the team to track user engagement and increase content conversion rates by 35%

- Faced challenge of manual content publishing slowing editorial workflow; built scalable CMS flows using Payload CMS with Google Sheets integrations, reducing content publishing time from 2 hours to 15 minutes per article

- Recognized opportunity to drive user engagement through interactive content; developed SEO-optimized quiz engines and personality assessments, generating 10,000+ quiz completions monthly and improving average session duration by 45%

- Led cross-functional collaboration with writers, editors, and therapists; established engineering documentation standards and UI/UX guidelines, reducing onboarding time for new team members by 60%

Senior MERN Stack Engineer

Gravity Engineering | Remote | May 2024 - August 2024

- Assigned to enhance Stylishop e-commerce platform experiencing performance issues and fragmented user experience; developed fullstack features using React.js, Node.js, and Express.js across vendor, quality check, and buyer dashboards, improving page load times by 40%

- Identified data inconsistencies between marketplace modules; designed and implemented unified RESTful APIs connecting FBS marketplace with vendor systems, reducing order processing errors by 25% and improving vendor response time

- Addressed need for real-time quality monitoring; built responsive quality check dashboard with live data synchronization, enabling QC team to process 200+ daily inspections with 98% accuracy rate

Software Engineer

WITS Innovation Labs | Chandigarh | September 2022 - April 2024

- Engaged to build enterprise logistics solution from ground up; developed fullstack application deployed on AWS with web, Android, and iOS frontends using React, React Native, and Node.js, successfully handling 5,000+ daily shipment transactions
- Took ownership of client relationships; gathered requirements directly from stakeholders, designed solution architectures, and delivered POCs, achieving 90% client approval rate on first presentation
- Identified company spending $15,000+ annually on third-party tools; organized and led internal hackathons to build replacement tools, delivering 4 production-ready internal applications saving $12,000 annually
- Supported recruitment team lacking technical assessment capabilities; built custom testing platforms deployed across 8 universities, enabling evaluation of 2,000+ candidates and streamlining hiring pipeline

React.js Developer

ShamlaTech | Bengaluru (Remote) | January 2022 - July 2022

- Hired to develop Web3 frontends for blockchain applications; built React.js and Redux interfaces supporting Ethereum, Binance, and GDCC blockchain interactions through MetaMask integration, enabling 1,000+ daily wallet transactions
- Noticed repeated development effort across projects; architected and built reusable component library (exchanges, wallet connectors, charts), reducing new project development time by 50% and ensuring UI consistency
- Tasked with customizing open-source codebase for enterprise client; migrated and adapted repository to meet specifications, delivering production-ready application 2 weeks ahead of schedule

Web Developer & Competition Mentor

KiddyPi | Bengaluru (Remote) | December 2020 - August 2021

- Responsible for platform development and educational content; developed frontend applications using React and Angular, deployed course curricula in JavaScript, Python, and game development, training 500+ students aged 10-18
- Mentored students for international robotics and app development competitions; guided 15 teams through project development, resulting in 3 teams reaching competition finals
- Identified need for engaging learning tools; developed and deployed free-to-play educational games on Android using GDevelop, achieving 2,000+ downloads and improving student engagement metrics

Web Developer & Robotics Instructor

PMS Robotics | Pune | March 2020 - September 2020

- Tasked with digitizing course registration system; developed backend services using Node.js and React for user signup and course management, processing 300+ student registrations with zero downtime
- Faced COVID-19 classroom shutdown challenge; led rapid transition of entire platform from physical to digital delivery in 7 days, maintaining 95% student retention and enabling uninterrupted learning
- Developed comprehensive robotics curriculum for Level-1 and Level-2 courses; mentored undergraduate students in designing articulated robot arms, with 2 student projects selected for industry showcase

Freelance Web Developer & Test Engineer

KPIT | Pune | August 2017 - September 2018

- Assigned to improve internal team communication and tracking; developed web UI using React.js for daily updates and ticket tracking, reducing status meeting time by 30% and improving task visibility across 50+ team members
- Engaged in automotive software development; performed model-based design, coding, and testing using MATLAB for Electronic Limited-Slip Differential systems, delivering 15+ validated software components
- Conducted systems analysis for vehicle control modules; identified and resolved 20+ design issues during verification phase, reducing post-deployment defects by 40%

EDUCATION

B.Tech in Automotive Design Engineering

University of Petroleum and Energy Studies, Dehradun | 2013 - 2017

CERTIFICATIONS

Advanced Certificate Program in Full Stack Development - Great Learning (2021)

Comprehensive coverage of frontend (HTML, CSS, JavaScript, React.js), backend development, AWS deployment, and AWS SQS for scalable applications