PRATEEK AGRAWAL



Software Engineer
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PROFESSIONAL SUMMARY

Results-driven Software Engineer with 5+ years of experience designing and delivering scalable, secure, and high-performance web applications. Proficient across the full stack, with strong expertise in Node.js, React.js, MongoDB, and PostgreSQL. Proven ability to optimize application performance, implement robust authentication and authorization mechanisms, and build and maintain CI/CD pipelines. Experienced in leveraging AWS services, automated testing frameworks, and strong problem-solving skills to deliver reliable, production-ready solutions and drive successful project outcomes.

TECHNICAL SKILLS

Frontend: React.js, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Shadcn/UI
Backend: Node.js, Express.js, RESTful APIs, JWT Authentication
Databases: MongoDB, Mongoose, PostgreSQL
Devops & Tools: AWS EC2, Docker, Git, GitLab CI/CD, PM2, HashiCorp Vault, Vercel
Testing: Cypress (E2E/API Testing), Test Automation, Debugging
AI Development Tools: Cursor IDE, GitHub Copilot

PROFESSIONAL EXPERIENCE

A21.AI Inc. | Delhi *Nov 2025 – Present*
Sr Software Engineer **www.a21.ai**

- Design and develop AI-powered enterprise applications using React.js, Next.js, Node.js, and Express.js, serving clients across India, the US, and the Middle East.
- Integrate Generative AI and LLM services into production platforms, including chatbot interfaces, AI-driven workflows, and intelligent automation features.
- Architect scalable microservices and RESTful APIs deployed on AWS, implementing serverless patterns and optimizing cloud infrastructure for high availability.
- Build enterprise-grade dashboards and data visualization interfaces with responsive, role-based access control for complex business logic.
- Collaborate directly with product managers, designers, and stakeholders in a client-facing capacity to translate business requirements into technical solutions.

NTWIST Inc. | Hyderabad *Sep 2023 – Oct 2025*
Full Stack Engineer **www.ntwist.com**

- Developed and deployed highly scalable Node.js APIs and responsive React.js components for enterprise-level applications, improving data handling efficiency.
- Architected and deployed HashiCorp Vault on AWS EC2, centralizing and securing credential management for multiple services.
- Built a comprehensive suite of Cypress E2E and API tests, increasing test coverage and ensuring full-stack functionality and stability.
- Optimized MongoDB queries by implementing strategic indexing, which reduced average database response times by over 30%.
- Troubleshot and debugged critical production issues across the full-stack, leading to a 99.9% application uptime.

Glow and Grow Limited | Mumbai *May 2021 - Aug 2023*
Full Stack Engineer

- Developed responsive client-side applications using React.js, Tailwind CSS, and Shadcn/UI, resulting in a 20% improvement in user engagement.
- Engineered and maintained robust RESTful APIs with Node.js and Express.js to support dynamic application features.
- Designed and implemented efficient MongoDB schemas with Mongoose, ensuring data integrity and optimizing retrieval processes.

- Collaborated effectively with cross-functional teams, including UI/UX designers and product managers, to translate requirements into high-quality software features.

Innodata Inc. | **Noida** *Feb 2020 - May 2021*
Associate **www.innodata.com**

- Built and integrated responsive React.js UIs with Tailwind CSS and Chakra UI, ensuring a consistent user experience.
- Integrated and optimized third-party APIs for seamless data handling and application functionality.
- Partnered with backend developers to enhance API usability and streamline the development workflow.

EDUCATION

Manipal Institute of Technology, Karnataka 2012 - 2016
Electrical and Electronics Engineering | B.Tech
Coursework: Algorithms, Computer Architecture, Programming, System Design.

CERTIFICATION

- AWS Certified Generative AI Developer – Professional
- AWS Certified Solutions Architect – Associate
- AWS Certified Developer – Associate