

Shubhendra Singh

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EDUCATION

George Washington University Masters in Computer Science Relevant Coursework: Design and Analysis of Algorithms, Cloud Computing, Machine Learning, Big Data Analytics	Washington, DC May 2025
Dr. A.P.J. Abdul Kalam Technical University Bachelor of Technology in Computer Science and Engineering Relevant Coursework: Artificial Intelligence,Distributed System,Computer Architecture,Web Development,Data Mining	India Aug 2021

SKILLS

Languages: Python,Java, TypeScript, JavaScript (ES6+),
Full Stack Development: React, Next.js, Node.js, Express.js, PostgreSQL, MongoDB
AI/ML: Agentic AI, LangChain, RAG Pipelines, LLM Integration, AI Orchestration (n8n), Prompt Engineering, MCP
Developer Tools: AWS (S3, Lambda, API Gateway, EC2, CloudFront), Vercel, Docker, Kubernetes, GitHub Actions, Jenkins, Terraform, AWS CDK, Git, GitHub, Jira, Postman, Figma

EXPERIENCE

Sherps Inc <i>Software Developer</i>	Hillsborough, NC Oct. 2024 – Present
<ul style="list-style-type: none">Led end-to-end development of a customer-facing dashboard from concept to production, translating product requirements into a scalable React-based interface that increased user engagement with key features by 25% IN .Owned backend performance improvements by rebuilding REST APIs with FastAPI and async processing, cutting response latency by 40% and improving reliability under growing traffic.Collaborated with designers in Figma to prototype and refine UI components, cutting design-to-code iteration time by 33%.Leveraged AI-assisted development (Cursor) to rapidly prototype and refine UI workflows, accelerating iteration.Engineered agentic AI workflows with n8n, automating complex user tasks and reducing manual intervention by 30% .	
Pitney Bowes <i>Software Engineer Intern</i>	Noida, India June 2024 - Aug. 2024
<ul style="list-style-type: none">Streamlined React and TypeScriptUI components, boosting accessibility by 23% and fixing cross-browser issues.Designed modular Node.js and Express.js backend with API-first principles, reducing integration time by 25%.Architected MongoDB schemas with indexing, boosting query speed by 30% and enabling scalable data storage.Engineered RESTful APIs with Express.js ,optimizing full-stack data flow efficiency by 30% using caching and query tuning.Optimized CI/CD workflows with Jenkins, improving deployment reliability by 40% and boosting development efficiency..Integrated AI powered customer support chatbot using Ollama API with custom prompt engineering, automating 60%+ of repetitive queries and reducing response time by 35%.Optimized RAG workflows for chatbots, reducing response time by 35% through iterative refinement.	
Softgains Technology <i>Software Developer</i>	Noida, India July 2021– July 2023
<ul style="list-style-type: none">Designed and deployed scalable full-stack web applications using React.js, Node.js, and PostgreSQL, reducing API response times by 35% and improving page load speed by 25%.Enhanced AI agent capabilities through prompt engineering, automating 60% of queries with personalized guidance.Built real-time backend systems using Node.js, ensuring efficient data streaming and seamless user interactions.Collaborated in Agile sprints using Jira to implement UI enhancements, boosting user engagement by 15%.Containerized apps with Kubernetes and automated deployment by GitHub Actions, reducing manual effort by 30%.Implemented serverless workflows with AWS Lambda and API Gateway, speeding up feature delivery by 25%.	

PROJECTS

Voice-Activated HR Assistant <i>Eleven Labs, N8N, Python, FastAPI</i>	
<ul style="list-style-type: none">Implemented Eleven Labs voice integration with HR automation platform, enabling voice-activated employee onboarding and supportDesigned voice-driven N8N workflows for HR processes, allowing natural language initiation of complex multi-step automations	
ShopZone – E-Commerce Platform <i>React.js, Node.js, MongoDB, Redux, Stripe, Ollama AI</i>	
<ul style="list-style-type: none">Built comprehensive full-stack e-commerce platform with OAuth 2.0 authentication, Redux state management, Stripe payment integration, and intelligent AI chatbot reducing customer support tickets by 35%.Implemented scalable REST APIs with MongoDB indexing strategies, testing using Jest, and a CI/CD pipeline, improving overall performance by 30%.	