

# Bhupesh Chikara

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## EXPERIENCE

### Stealth Startup | *Software Engineer Intern*

May 2025 – Dec 2025

**Technologies:** React.js, Node.js, TypeScript, ADP API, Contentful, Next.js, OpenAI API, PostgreSQL, AWS

- Improved payroll processing efficiency by 50% for 5,500+ employees by building a full-stack ADP integration with an automated end-to-end payroll management system.
- Built a custom rendering engine with reusable UI components using Contentful CMS and Incremental Static Generation (ISG), improving page load speed and SEO across applications.
- Reduced workflow processing time by 40%+ by integrating OpenAI API for intelligent data extraction and task orchestration, eliminating repetitive manual operations across teams.

### Deloitte | *Senior Software Engineer*

Feb 2021 – Jan 2024

**Technologies:** React.js, Node.js, GraphQL, D3.js, Three.js, TypeScript, Docker, AWS, Kubernetes, Jenkins

- Delivered analytics dashboards processing 10M+ monthly transactions, increasing user engagement by 35% and reducing decision time by 25%, supporting \$500M+ in annual revenue.
- Designed backend API serving 2.5M weekly requests with 99.99% uptime, improving system efficiency by 40% and preventing \$2M+ in potential downtime losses for banking operations.
- Led containerization of 15+ microservices with Docker/Kubernetes, achieving zero-downtime deployments, reducing costs by 30% (\$150K+ savings), and enabling 3x faster releases.

## PROJECTS

### Opus | *Python, Node.js, TypeScript, BullMQ, FFmpeg, Socket.IO, AWS S3, Redis, GraphQL, PostgreSQL*

- Reduced video processing time by 90% (50 min → 5 min) for 1000+ concurrent users, improving user experience and enabling real-time collaboration for professional recording platform.
- Architected microservices handling 10K+ daily recordings with 99.9% uptime, processing 500GB+ video data daily for content creators and educators worldwide.
- Deployed 3 AI features (voice generation, transcription, chapter detection) serving 1000+ requests/hour, increasing platform engagement by 60%.

### LaCarte | *React, TypeScript, Zustand, Firebase, Recharts, Material UI, Layer Payments, Razorpay*

- Built restaurant SaaS platform serving 10+ restaurants, processing 2K+ daily orders worth \$5K+ with 99.99% uptime, generating \$120K+ annual revenue.
- Implemented real-time order system enabling 5+ staff per restaurant to collaborate efficiently, reducing order processing time by 40% and errors by 60%.

### CodeNova | *Next.js 15, TypeScript, Node.js, Python, MongoDB, Socket.IO, Judge0 API*

- Developed AI-powered coding platform with real-time code execution for 8+ languages across 155+ problems, achieving sub-500ms response time for 1000+ monthly active users.
- Created 9+ algorithm visualizers with AI tutoring (Gemini + voice avatar), increasing user engagement by 60% and problem completion rate by 45%.

## ACHIEVEMENTS

**Best Use of AI Award – CuseHacks 2025** — Syracuse University — Won for CodeNova AI platform with Gemini tutoring, Anam voice avatar, and 9+ visualizers

**Applause Award (3x Consecutive)** — Deloitte 2021-2024 — Recognized for backend architecture, algorithmic solutions, and technical leadership

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, Java

**Frontend:** React, Next.js, Angular, Redux, Zustand, RxJS, React Query, D3.js, Three.js,

**Backend:** Node.js, Express.js, GraphQL, REST API, FastAPI, Flask, Socket.IO, WebSocket, WebRTC

**Databases:** MongoDB, PostgreSQL, MySQL, Redis, DynamoDB, Firebase

**Cloud & DevOps:** AWS (EC2, S3, Lambda), GCP, Docker, Kubernetes, Jenkins, CI/CD

**AI & Tools:** Google Gemini API, GPT-4 Vision, Playwright, Selenium, LaTeX, Git

**Concepts:** Data Structures & Algorithms, System Design, Microservices, Distributed Systems

## EDUCATION

### Syracuse University

*Master of Science in Computer Science*

Syracuse, NY

*Jan. 2024 – Dec. 2025*