

KUNWARJEET SINGH BINDRA

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EDUCATION

University of California - Irvine California, USA	Sep 2024 – Dec 2025
<i>Master of Computer Software Engineering</i>	GPA: 4.0/4.0
Courses: Data Structures, Concurrent Programming, Web Services, Cloud and Security Foundations, Distributed Systems	
Guru Gobind Singh Indraprastha University Delhi, India	Aug 2017 – Jun 2021
<i>Bachelor of Technology (Electronics and Communications Engineering)</i>	GPA: 3.67/4.0
Courses: Introduction to Programming, Computer Architecture, Database Management, Data Communications and Networks	

TECHNICAL SKILLS

- Programming Languages:** Java, JavaScript, TypeScript, Python
- Web Development:** HTML, CSS, React.js, Redux, Next.js, Webpack, Node.js, Express.js, HTTP, REST, SOAP, GraphQL, FastAPI
- Databases and DevOps:** MySQL, PostgreSQL, MongoDB, GitHub Actions, AWS, Docker, Kubernetes, Vercel, Jenkins
- Tools and Software Engineering:** Git, Postman, JIRA, OOPS, SDLC, LLD, HLD, TCP/IP, Unit Testing (Jest and JUnit)

WORK EXPERIENCE

Senior Software Engineer NexGen Tech Solutions - Haryana, India	Jun 2023 – Sep 2024
<ul style="list-style-type: none">Led the full-stack CMS revamp, enhancing content workflows, RBAC, and media uploads, boosting user satisfaction by 60%.<ul style="list-style-type: none">Rebuilt the platform using Next.js and TypeScript for the frontend, and Java microservices for the backend, reducing the codebase size by 70% for improved maintainability and efficiency.Established a robust CI/CD pipeline with Jenkins, Docker, and AWS ECR that automated Kubernetes deployments to Amazon EKS using Helm charts, accelerating releases by 40% and reducing manual deployment efforts by 60%.Designed and launched a \$2M FAST Channel service with React.js, GraphQL, and Tailwind CSS, featuring drag-and-drop video content reordering, automated scheduling, and ad monetization, boosting viewer engagement by 20%.	
Software Engineer NexGen Tech Solutions - Haryana, India	Jan 2021 – May 2023
<ul style="list-style-type: none">Constructed responsive UIs for Hoichoi, a Bengali video streaming platform with 10M+ users, utilizing React, JavaScript, HTML, and CSS, implementing lazy loading and code splitting to enhance load times by 50%.Developed 20+ RESTful APIs with Node.js and MongoDB for Hoichoi, optimizing queries, indexing, and caching to cut response time by 40%, ensuring efficient content management and authentication.Collaborated across teams to deliver features, resolving 80% of critical issues within 24 hours and maintaining a 95% on-time delivery rate.	

PROJECTS

FastAPI Powered Real-Time OMS Python, FastAPI, PostgreSQL, Docker, AWS EC2	Jan 2025 – Feb 2025
<ul style="list-style-type: none">Devised a real-time order management system using FastAPI and Websocket for live updates, PostgreSQL and SQLAlchemy for a scalable backend, and optimized performance with asynchronous handling, reducing order processing time by 30%.Containerized the app with Docker, deployed on AWS EC2, and streamlined CI/CD using GitHub Actions and Docker Hub, cutting deployment time by 50%. Ensured secure deployment via SSH and EC2 security groups, maintaining 99.9% uptime.	
MemoryLane AI TypeScript, Next.js, Material UI, Generative AI, Vercel	Oct 2024 – Dec 2024
<ul style="list-style-type: none">Created a research platform for individuals with Dementia using Next.js and Material UI, enabling users to record and organize memory events and generate personalized albums with images powered by Generative AI.Integrated OpenAI's Whisper API for audio-to-text conversion, transcribing 500+ audio recordings of memory events to enhance research accessibility, while setting up a CI/CD pipeline on Vercel to ensure efficient deployment of the platform.	

AWARDS

- Top Performers Award Q1 2024** | NexGen Tech Solutions Mar 2024
- Best Individuals Award** | NexGen Tech Solutions Feb 2023