

AJAY GAUR

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EXPERIENCE

Sr. Software Engineer | Creative Buffer, Mohali, India

(Nov 2024 - Present)

- Designed and delivered scalable full-stack systems using **React.js, Node.js, TypeScript, Python, FastAPI, MySQL, Postgres, and AWS**. Built and optimized key products like Apollo, Advent, and Market Prophet with high-performance architectures.
- Implemented real-time communication across independently developed apps using **WebSockets** and shared data channels. Built rich UI features including **drag-and-drop widgets, infinite scroll, and virtualized lists** for seamless UX. Integrated secure authentication flows (OAuth2, Active Directory) and developed custom **RBAC** for fine-grained access control.
- Built data-driven dashboards with advanced filters, search, and pagination. Enabled secure document sharing and managed **AWS S3** storage with signed URLs, along with Google API integrations for analytics and token management.
- Architected the HiveMind project end-to-end on AWS: containerized services with **Docker**, deployed on **ECS Fargate** via **ECR** behind an **Application Load Balancer**, and automated **CI/CD** with **GitHub Actions**. Managed infra with **Terraform IaC** and added **OpenTelemetry** using a sidecar OTEL collector integrated with **Grafana** for metrics, logs, and traces.
- Delivered an end-to-end **RAG pipeline**, including PDF chunking, embedding generation, and vector storage in **Pinecone** for chatbot workflows. Also contributed to serverless systems using **AWS Lambda, DynamoDB, and AWS Cognito**.

Web Developer | Girl Power Talk, Mohali, India

(Oct 2022 - July 2024)

- Led Full Stack Development and built modern responsive web pages, web apps and complete websites using modern technologies like **Next.js, Typescript, Tailwind, Node.js, Postgres, Prisma** and more.
- Implemented **Framer Motion** and **GSAP** to enhance web page aesthetics and interactivity, while also optimizing performance by almost 50% on Girl PowerX's profile page through **server-side rendering** and **caching**.
- Built a dynamic, fully customizable profile builder with draggable sections and public sharing. Utilized **shadcn/ui, Redux Toolkit**, and Next.js **server components** with caching for improved performance and responsiveness.

SKILLS

- Languages:** Javascript, Typescript, Python, Go, SQL, Bash.
- Frontend:** React.js, Next.js, React Native, Redux, HTML, CSS, Tailwind, Shadcn, MUI, GSAP, Framer Motion.
- Backend:** Node.js, Express.js, FastAPI, Prisma, Drizzle, Mongoose, REST APIs, WebSockets, Microservices.
- AI / GenAI:** LangChain, LangSmith, OpenAI/Chat Models, Anthropic (Claude), RAG Pipelines, Vector Databases, Pinecone, Prompt Engineering, LLM Integration.
- Databases:** Postgres, MySQL, MongoDB, SQLite, Firebase Firestore.
- DevOps & Tools:** AWS (EC2, ECS, ECR, S3, Amplify, Lambda, CloudFront, RDS), Terraform (IaC), Git, Github, Redis, Nginx, Linux, CI/CD, Docker.

PROJECTS

- ajaygaur.in** | [Live](#) | [Code](#) : My personal portfolio website built with Next.js.
- Blog website** | [Live](#) | [Code](#) : Designed and developed a blog website with authentication, WYSIWYG rich text editor to write blogs built with Auth.js and Next.js.
- New Orleans Athletic Club** | [Live](#) : Developed a complete website for New Orleans Athletic Club using Next.js.
- Girl PowerX** | [Live](#) : Built a platform using Next.js, Node.js, and Postgres DB, offering session hosting, course management, profile creation, business profiles and more.
- Ecommerce** | [Live](#) | [Code](#) : Designed and developed a comprehensive ecommerce store using Nextjs, including an admin panel and payments with stripe.

EDUCATION

BSc.(computer Science) | DAV Centenary College, Faridabad

(Aug 2017 - Dec 2020)

XII (CBSE) | SPS International School, Palwal, Haryana

(May 2016 - May 2017)