

Aditya Bhadauria

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EDUCATION

Graphic Era University

B.E. in Computer Science | CGPA: 8.0/10

Aug 2019 – May 2023

Dehradun, India

WORK EXPERIENCE

Backgammon Galaxy - Tech(Fullstack)

Founding Full Stack Engineer, Contract

Sept 2023 – Present

Remote (Spain)

• Developed Backgammon's Backend Architecture:

- * Deployed and optimized the platform using **Kubernetes** and **Docker**, ensuring smooth performance and **99.9% uptime**.
- * Revamped **back-end infrastructure** with **asynchronous calls** and optimized system architecture, reducing API response time from over **1 minute to under 15 seconds**.
- * Developed an instant match recovery system using **Redis** to persist in active game states.
- * Configured **Kubernetes Horizontal Pod Autoscaler (HPA)** to handle sudden traffic spikes during peak tournaments.
- * Set up **Prometheus** and **Grafana** dashboards to track the health of the application and load of the server.
- * Built a Game Analysis Engine with **gRPC** and **RabbitMQ** to detect mistakes in real time for improving gameplay .

• Integrated AI-Powered Game Features

- * Integrated the **XG Gammon engine** to provide an AI opponent, allowing players to practice instantly without waiting for human opponents.
- * Developed **AI-powered move suggestions** using **gnubg**, helping players analyze their matches and improve strategy.

• Built Key Features

- * Implemented **real-time gameplay synchronization** using **WebSockets** and **Elixir**, reducing move delay to under **200ms**.
- * Built a social features with **XMPP-based messaging** allowing players to connect and challenge each other.
- * Designed a **customizable game interface** for changing **boards** and **avatars**, increasing play time by **25%**.
- * Optimized mobile gameplay through **React Native WebView integration**, enhancing performance and player experience across different platforms.
- * Built a subscription feature using **RevenueCat** for OMS and **PayPal** for payments

Nineleaps - Tech(FrontEnd)

Software Developer, Full time

Dec 2022 – Sept 2023

Bangalore, India

- Built a **smart water management dashboard** using **React, Node.js, PostgreSQL**, allowing city operators to track live water usage, detect leaks, and generate automated reports; reduced issue detection time by **20%**.
- Designed and implemented custom **D3.js charts** to visualize real-time consumption patterns with interactive filtering.
- Developed automated **alert and notification system** that informed operators within minutes of abnormal usage patterns.
- Optimized **CI/CD pipelines** using GitHub Actions and Jenkins for seamless build, test, and deployment workflows.
- Developed and maintained backend APIs and frontend components to support real-time data visualization and reporting for smart water management systems.

Bunkout - Tech(FullStack)

Frontend Developer Internship

Mar 2020 – Mar 2022

Remote

- Integrated and customized a **WordPress CMS** to manage travel listings and blog content, reducing content update time.
- Designed and implemented advanced **search and filtering features** for trip packages based on location, price, and availability, significantly improving booking speed, reducing drop-offs, and enhancing the overall user experience.
- Integrated **REST APIs** for booking, payments, and profiles, ensuring secure and reliable transactions.
- Connected with travel vendors and partners, helping the startup earn more **80,000 Rs.** in its first year.

PROJECTS

NLP Chatbot

- Built an **NLP-powered chatbot** using HuggingFace Transformers for intent detection, handling FAQs with **95% accuracy**.
- Integrated with **FastAPI backend** and **MongoDB** to store chat history, enabling personalized responses.

TECHNICAL SKILLS

Languages:	C/C++, Java, Python, SQL, JavaScript, TypeScript
Frameworks:	React.js, Next.js, Node.js, Material UI, FastAPI
Databases:	MySQL, MongoDB, Prisma
DevOps:	Kubernetes, Docker, AWS, CI/CD
Tools:	Git, Sentry, Linux, Windows

INTERESTS

Led school football squad to compete at state level;; enjoy board games and esports recreationally.