

# Lal Chand

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## Software Engineer • AI Solutions Architect

Full-Stack Innovator | Builder of AI-Powered Systems | Delivered 200+ Projects | Mentored 500+ Learners into the AI Era

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## Core Competencies

- **AI/ML & LLMs:** AI/ML, Transformers (BERT, GPT, Stable Diffusion), NLP, LangChain, HuggingFace, OpenAI, TensorFlow, PyTorch, Faiss, AI APIs (OpenAI, Cohere).
  - **Web Development:** React, Next.js, Node.js, NestJS, Express.js, GraphQL, Prisma, TypeScript, MongoDB, PostgreSQL, MySQL.
  - **Frontend & UI:** Tailwind CSS, Material UI, Redux, React Native, Angular, Bootstrap, Responsive Design, UX Best Practices.
  - **DevOps & Cloud:** AWS, Docker, Netlify, Vercel, GitHub Actions, CI/CD pipelines, Agile/Scrum.
  - **Other Skills:** API Development, SaaS Platforms, Real-Time Systems (Socket.io), Mentorship, Project Management.
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## Professional Experience

### Senior Software Engineer / Project Lead

Emenac Inc. – Lahore, Pakistan | Sep 2019 – Present

- Led end-to-end design, development, and deployment of **enterprise-grade applications** across e-commerce, fintech, healthcare, and SaaS.

- Architected modern full-stack solutions using **Next.js, Node.js, GraphQL, Prisma, PostgreSQL, and AWS**.
- Integrated **AI-powered features** including chatbots, document parsing, and sentiment analysis with OpenAI APIs.
- Implemented CI/CD pipelines with GitHub Actions & Docker, reducing release cycles by **40%**.
- Migrated legacy PHP/MySQL systems to **Node.js microservices with GraphQL APIs**.
- Mentored a team of 8+ developers, enforcing clean code and Agile practices.

### Key Achievements

- ✓ Delivered **50+ enterprise projects** with high client satisfaction.
  - ✓ Reduced deployment failures by **35%** with automated pipelines.
  - ✓ Recognition for introducing AI-driven features into production systems.
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## Project Manager / Team Lead

**Cbrix – Lahore, Pakistan | 2020 – Present**

- Managed a startup team building **modern SaaS, APIs, and client websites**.
- Built pixel-perfect **Next.js frontends** and scalable **Node.js/MongoDB backends**.
- Designed reusable UI libraries with **Tailwind CSS + ShadCN**.
- Deployed cloud-native solutions on **AWS & Vercel**.

### Achievements

- ✓ Created **20+ SaaS/web apps** scaling to thousands of users daily.
  - ✓ Reduced API response time by **60%** with advanced caching strategies.
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## Software Engineer, Tutor & IT Consultant (Freelance)

**Upwork & Fiverr – Remote | 2019 – 2025**

- Delivered 60+ international projects (websites, APIs, SaaS platforms).

- Specialized in **AI integrations (OpenAI, LangChain, HuggingFace)** and SaaS solutions.
- Mentored 500+ global learners in web development, freelancing, and AI adoption.

### Key Achievements

- ✓ Built scalable **SaaS platforms** with Next.js, Node.js, and PostgreSQL.
  - ✓ 200+ coding mentorship sessions with 5★ feedback.
  - ✓ Developed **e-commerce & EdTech solutions** with secure payments & analytics.
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## Featured Projects

- **EPADS (GovTech – PPRA Pakistan):** Nationwide procurement system with vendor onboarding & e-Disposal workflows. Integrated NADRA & FBR APIs. *(React, PHP, MySQL, Docker)*
  - **e-Campus (EdTech ERP):** Full academic ERP with admissions, grading, and attendance. *(Next.js, NestJS, PostgreSQL, AWS)*
  - **Electronic Medical Records (EMR):** Multi-module hospital system with scheduling & billing. *(React, NestJS, Redis)*
  - **AI-Powered Newsly:** Trend scanner with AI summarization & content generation. *(React, Python, OpenAI, Kubernetes)*
  - **VisionInsight:** OCR + AI insights for finance documents. *(Python, Transformers, Tesseract, PostgreSQL)*
  - **Zippy Holidays:** Travel booking platform with secure Stripe payments. *(Next.js, GraphQL, Prisma, AWS)*
  - **AnomalyWatch:** Real-time anomaly detection in IoT telemetry streams. *(Python, Kafka, PyTorch, Docker)*
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## Education

- 🎓 **BS Software Engineering** – University of the Punjab, Lahore (2019 – 2023) | CGPA: 3.04
- 🎓 **Intermediate in Computer Science (ICS)** – Daanish School, Rahim Yar Khan (2017 – 2019) | 91%
- 🎓 **Matriculation (Science)** – Daanish School, Rahim Yar Khan (2015 – 2017) | 96%

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## Certifications & Recognition

- 🏆 Certified in Programming, Web Frameworks, and AI/ML Tools.
  - 🏆 Recognition by **Chief Minister of Punjab & Prime Minister of Pakistan** for academic/technical excellence.
  - 🏆 Leadership recognition for managing development teams at Emenac Inc.
  - 🏆 Multiple **Gold Medals in Art & Innovation Competitions.**
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## Soft Skills

- ✓ Strong Communication & Client Interaction
- ✓ Team Leadership & Mentorship
- ✓ Project Management (Agile/Scrum)
- ✓ Problem Solving & Critical Thinking