

DEEPAK KUMAR

Software Developer | Backend Systems, AWS Infrastructure, and AI-Assisted Engineering

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PROFESSIONAL SUMMARY

Backend-focused Software Developer with 4.5+ years of experience designing, building, and scaling production systems across eSports, FinTech, HealthTech, and Real Estate. Strong hands-on experience with Node.js, TypeScript, PostgreSQL, Neo4j, RabbitMQ, WebSockets, AWS infrastructure, payment gateway integrations, microservices, and AI-assisted engineering workflows. Proven ability to own backend architecture, cloud deployments, performance optimization, and end-to-end delivery for high-scale products.

SELECTED IMPACT

- Currently leading the full eSports ecosystem and digital store for e& (Etisalat), supporting a 1.5M+ user base, 20K peak active gamers, and 99.9% uptime.
- Delivered real-time systems, reward-led commerce, and payment gateway integrations across PayPal, PayTabs, PhonePe, and Cashfree.
- Contributed to Rs. 4500+ crore revenue influence and reduced CRM operational costs by Rs. 10L per month through product digitization at Xanadu Reality.
- Enabled consultation recording and playback workflows for 6M+ users in the MFine mobile ecosystem.

CORE COMPETENCIES

Backend Engineering: Node.js, Express.js, NestJS, REST API Design, Microservices, WebSockets, Event-Driven Systems

Programming Languages: JavaScript, TypeScript, Python, C++, Core Java

Databases and Search: PostgreSQL, MySQL, MongoDB, Neo4j, Elasticsearch, PySpark

AWS and Infrastructure: EC2, ECS, EKS, ECR, Lambda, EventBridge, S3, CloudFront, Route 53, VPC, IAM, ALB, API Gateway, Reverse Proxy

DevOps and Messaging: RabbitMQ, Docker, Jenkins, CI/CD, Container Deployments, Release Workflows

Security and Frontend: JWT, OAuth 2.0, Keycloak, Cognito, React, Redux, Tailwind CSS

Payments, Compliance, and AI: PayPal, PayTabs, PhonePe, Cashfree, AML, KYC, Digilocker, SurePass, Sandbox APIs, ChatGPT, Claude, Gemini, Codex, GitHub Copilot

Domains: eSports, FinTech, HealthTech, Real Estate

PROFESSIONAL EXPERIENCE

Tech Lead | Techno XO

Mar 2025 - Present | Bangalore, India | Node.js, MongoDB, MySQL, AWS, WebSockets

- Leading end-to-end delivery of the full eSports ecosystem and digital store for e& (Etisalat), supporting a 1.5M+ total user base and peak concurrency of 20K active gamers.
- Architected backend services for tournament hosting, real-time chat, top-ups, gift cards, and reward-led commerce using Node.js, WebSockets, MongoDB, MySQL, and AWS.
- Integrated PayPal, PayTabs, PhonePe, and Cashfree to strengthen multi-gateway payment reliability across player-facing transaction flows.
- Scaled cloud infrastructure and release workflows to sustain 99.9% uptime while mentoring a 5+ member engineering team.

SDE - 1, Corporate Identity Platform and AML | iBind Systems

Mar 2024 - Jan 2025 | Bangalore, India | Node.js, PostgreSQL, Neo4j, RabbitMQ, AWS

- Designed backend services and microservices for AML, KYC, authentication, document verification, and admin-led compliance workflows.
- Modeled complex corporate ownership structures in Neo4j to support graph-based traversal, beneficial ownership analysis, and relationship-driven queries.
- Implemented RabbitMQ-powered background job pipelines and bulk processing flows for reliable asynchronous operations.
- Integrated Digilocker, SurePass, and Sandbox APIs and secured access flows with JWT, OAuth 2.0, and Keycloak.

Software Developer | Xanadu Reality

Jun 2022 - Feb 2024 | Bangalore, India | Node.js, React, PostgreSQL, MongoDB, PySpark

- Built scalable product platforms that transformed offline real-estate operations and contributed to Rs. 4500+ crore FY revenue influence.
- Delivered high-availability portals for sales, presales, and channel partners, reducing CRM operational costs by Rs. 10L per month.
- Developed API-driven CRM extensions and real-time cloud telephony synchronization for business-critical workflows.
- Processed and standardized large-scale datasets using PySpark and Azure Blob Storage to improve analytics readiness and data quality.

Associate Software Developer | MFine

Aug 2021 - May 2022 | Kochi, India | Node.js, React Native, Twilio, AWS S3

- Automated consultation recording workflows using Twilio Video Composition and AWS S3, enabling seamless playback for 6M+ mobile users.
- Improved large-dataset search and pagination performance through Elasticsearch-based query optimization.
- Built reusable React Native UI components and theming systems to improve consistency across the MFine mobile application.

EDUCATION

Master of Computer Application (MCA), Cochin University of Science and Technology | Jul 2018 - May 2021 | Kochi, India | CGPA: 7.2

PROJECTS

- eMazdoor Portal - Built a Django and React web application connecting migrant workers with job providers.
- Online Parking System - Developed a Django web application to discover and book parking slots online.

AWARDS AND ADDITIONAL INFORMATION

- Star Performer Award 2025 for exceptional performance and successful delivery of the e& eSports ecosystem.
- Solved 500+ data structures and algorithms problems.
- Languages: English and Hindi.