


Deepak Kumar

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TECHNICAL ARCHITECT | AWS CERTIFIED

Results-driven Technical Architect with 15 years of experience in full-stack development, cloud architecture, and scalable enterprise solutions. Expert in Node.js, React, Python, and microservices. Adept at leading cross-functional teams, integrating Cloud, AI/ML technologies, and optimizing digital platforms for performance and user engagement.

TECHNICAL SKILLS

| Category | Technologies |
|----------------|--|
| Languages | Node.js, JavaScript, TypeScript, Python, Java |
| Frontend | React, Angular, HTML, CSS, Redux |
| Backend | Express, Restify, J2EE |
| Databases | PostgreSQL, MySQL, MongoDB, Aurora, RDS |
| Cloud & DevOps | AWS (EC2, Lambda, S3, RDS, DynamoDB, CloudFormation, IAM), Docker, Jenkins, OpenShift, CloudWatch, SQS, SNS, Redis |
| AI/ML Tools | GPT, BERT, scikit-learn, TensorFlow, PyTorch, Matplotlib, Seaborn |
| Monitoring | NewRelic, Sentry, Vanta, Snyk |
| CMS | Contentful |

CERTIFICATIONS

- **AWS Certified Solutions Architect – Associate**, AWS – *September 2024*
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PROFESSIONAL EXPERIENCE

TO THE NEW – *Noida, India*

Technical Architect | *Aug 2021 – Present*

- **Architected scalable mobile and web solutions** for enterprise clients like Tabcorp, Tata, and Golconda, leading cross-functional teams across frontend, backend, and infrastructure.
- **Led GenAI adoption initiatives**, including automation of insurance workflows and integration of AI tools like Cursor, Copilot, and Amazon Q to accelerate development.
- **Designed robust backend systems** with PostgreSQL and APIs to power real-time gaming and communication platforms.

Oracle – *Principal Engineer | Apr 2021 – Aug 2021*

- Led design and development initiatives on enterprise-grade applications with focus on performance and modularity.

TELUS International – *Technology Architect | Aug 2016 – Apr 2021*

- Headed frontend architecture for TELUS Home Services, ensuring consistent omni-channel experiences.
- Upgraded design systems, implemented automation in order processing, and enhanced CMS-based content delivery.

Moonraft – *Engineering Lead | Feb 2015 – Jul 2016*

- Delivered interactive Customer Experience Centres integrating touchscreen solutions.
- Drove UI/UX alignment between design, tech, and client teams.

Infosys – *Technical Analyst | Jan 2010 – Feb 2015*

- Developed and customized Finacle Retail Banking modules (Demat, PFM) for global clients like ICICI and Standard Bank.
- Pioneered the first omni-channel experience for retail banking product suite.

PROJECT HIGHLIGHTS

TabCorp Digital App (*Jul 2024 – Present*)

- Built a mobile app to collect gaming interest data; Architected microservices for scalable performance.
Tech: Node.js, AWS, PostgreSQL, Typescript, cursor

LPM Portal – Golconda Partners (*May 2022 – Mar 2024*)

- Integrated AI/ML to auto-complete insurance forms with precision.
Tech: React, Node.js, Python, AWS, GenAI

Tata Consumer Purchase Portal (*Oct 2021 – May 2022*)

- Created order and invoice management platform integrated with SAP.
Role: Full Stack Lead

Eurokids ARGUS LMS (*Aug 2021 – Oct 2021*)

- Implemented push notifications and real-time communication in education platforms.
Role: Technical Lead

TELUS Home Services (*Oct 2018 – Apr 2021*)

- Spearheaded front-end strategy and design system upgrade.
Tech: React, Node.js, Contentful, OpenShift

Retail Kiosk – I&I (*Aug 2017 – Aug 2018*)

- Designed digital kiosk systems offering cash-based digital products.
Tech: React, Express, PostgreSQL

OMS Analytics Dashboard (*Aug 2016 – Jul 2017*)

- Web interface for Tableau analytics with enhanced UX.
Tech: Angular, Bootstrap, Tableau

Experience Centres (*Feb 2015 – Jul 2016*)

- Led web app development for immersive AV experiences in client showrooms.

Finacle Retail Banking (*Jan 2010 – Feb 2015*)

- Customized banking modules and led mobile-first developments for clients in India, Sri Lanka, South Africa.

EDUCATION**Bachelor's Degree**

Gandhi Institute of Engineering & Technology, 2009