

# KEYUR PANCHAL

Pune, Maharashtra, India

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## PROFESSIONAL SUMMARY

Staff-level Software Engineer with 14+ years of experience designing and scaling distributed systems and cloud-native applications. Specialized in microservices architecture, event-driven systems, and serverless computing on AWS. Proven track record of leading monolith-to-microservices transformations, improving system performance by 90%+, and establishing architectural governance through ADRs and technical roadmaps. Strong expertise in scalability, high availability, performance optimization, and engineering mentorship across cross-functional teams.

## CORE COMPETENCIES

- Distributed Systems Design
- Cloud-native Architecture (AWS)
- Microservices & Event-Driven Architecture
- Serverless Computing (Lambda, EventBridge)
- High Availability & Scalability Engineering
- Infrastructure as Code (Terraform)
- CI/CD Automation & DevOps
- System Design & API Architecture (REST, GraphQL)
- Performance Engineering & Database Optimization
- Observability & Monitoring (New Relic, CloudWatch)
- Technical Roadmapping & Architectural Governance
- Engineering Mentorship & Technical Leadership

## TECHNICAL SKILLS

- **Cloud & Infrastructure:** AWS (Lambda, EC2, S3, IAM, EventBridge, SQS, SNS, CloudWatch, CloudFront), Terraform, Docker, Kubernetes
- **Backend Engineering:** Node.js (NestJS), PHP (Laravel, CorePHP, CakePHP), Golang (Gin), MySQL, PostgreSQL
- **Frontend Technologies:** React, Vue.js, Angular, JavaScript (ES6+), TypeScript
- **DevOps & Tooling:** CI/CD Pipelines, Git, Infrastructure as Code, New Relic

## PROFESSIONAL EXPERIENCE

### **Entrata India Pvt. Ltd. | Staff Software Engineer** (March 2023 – Present)

- Architected and introduced a serverless job scheduling framework using AWS Lambda and EventBridge, modernizing legacy task orchestration across the organization.
- Established Architectural Decision Records (ADRs) to standardize technical decision-making and align cross-functional stakeholders.
- Designed scalable distributed systems improving scheduled job efficiency by 90%+ and reducing operational overhead.
- Collaborated with product and engineering leadership to define system design strategies and long-term technical direction.
- Mentored a team of 4 engineers, improving code quality, deployment reliability, and architectural maturity.
- Implemented monitoring and observability strategies using New Relic and CloudWatch to ensure high availability and proactive incident management.

### **Cygnnet Infotech Pvt. Ltd. | Technical Lead** (July 2015 – March 2023)

- Designed and delivered scalable web applications for global clients across Europe, Australia, and the USA.
- Led cross-functional teams of 3–4 engineers to implement secure, high-performance distributed systems.
- Improved application performance by 90% through database optimization, query refactoring, indexing strategies, and architectural improvements.
- Engineered an internal development accelerator framework, reducing development time by 40% and increasing team productivity..

### **Communication Crafts Pvt. Ltd. | Senior PHP Developer** (June 2012 – July 2015)

- Introduced Laravel framework adoption, leading successful delivery of the company's first Laravel-based project ahead of schedule.
- Built scalable full-stack applications using CorePHP, Laravel, and JavaScript.
- Optimized maintenance workflows and improved development efficiency by 50%.
- Contributed to system architecture design and database modeling for enterprise-grade applications.

## EDUCATION

### **Bachelor of Engineering (Information Technology)**

Gujarat Technological University | 2008 – 2012