

Pinak Thakar

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Education

Charotar University of Science and Technology
B.Tech, Computer Science and Engineering
CGPA: 8.95

Gujarat, India
May 2019 - May 2024

Experience

GoodSpeed Studio
Software Developer

Remote
Jun 2025 - Present

- Engineered 7 RESTful API endpoints integrating xAPI-compliant AI learning platform by implementing tree-based content mapping architecture and resolving complex parent-child node payload parsing challenges
- Enabled personalized learning pathways for 10K+ students and educators through integration of adaptive learning algorithms and real-time progress tracking capabilities
- Built conversational AI retrieval system enabling semantic search across 1000+ message threads by implementing Claude API with memory management and context chunking
- Automated recurring team workflows by building n8n integrations connecting Slack, ClickUp, and Google Meet, reducing manual coordination overhead by 50 minutes weekly per developer

AGILf(x)
Lead Developer

Remote
Jul 2024 - Apr 2025

- Directed cross-functional teams of 6 professionals across 5+ concurrent projects, achieving 95% client satisfaction through strategic task delegation and stakeholder communication
- Mentored junior developer and authored Standardized Operating Procedure for Replit development environment, accelerating onboarding efficiency by 50%
- Restructured database architecture and minimized data volume by 67% by identifying and eliminating redundant MongoDB collections across production systems

AGILf(x)
Backend Developer

Remote
Apr 2024 - Jul 2024

- Delivered secure JWT-authenticated RESTful API endpoints achieving sub-300ms average latency using Node.js monolithic architecture for MVP deployment
- Eliminated \$49.99 monthly third-party API costs by engineering internal database solution with custom JavaScript data upsert operations

Projects

BoringCook Server

RESTful API BASE URI

- Developed scalable recipe-sharing backend with 20+ RESTful endpoints using Node.js, Express, TypeScript, and PostgreSQL, supporting user authentication, recipe management, and social features
- Achieved sub-200ms response times by implementing MVC architecture with efficient database queries and Supabase Row-Level Security policies
- Reduced security vulnerabilities by 80% through Cloudinary image handling integration and Zod-based input validation

BoringBird Server

RESTful API BASE URI

- Built aviation data management system integrating 290K+ FAA aircraft records using dual MongoDB architecture for efficient read/write operations
- Secured 100% of API requests by implementing JWT authentication with role-based access control and rate limiting middleware
- Resolved real-time tracking inconsistencies achieving 99% accuracy by developing cron job scheduler with hash map data structures for ADS-B flight monitoring

Technical Skills

Languages: JavaScript, TypeScript

Backend: Node.js, Express.js, XANO

Databases: PostgreSQL, MongoDB, Supabase

Tools: Git, GitHub, Postman, Cloudinary, n8n, Make, Render, Heroku, Claude Code

APIs: REST, xAPI, Claude, OpenAI, Gemini, Grok, AWS Cognito, Slack, ClickUp, HubSpot