

# NIKHIL VIJAY KHOT

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## PROFESSIONAL SUMMARY

Software engineer with 9+ years of hands-on work in web application development, from writing backend APIs to deploying on AWS. I run a team of 5, handle architecture decisions, and get involved in everything from database tuning to sprint planning. Most recently cut API response times by 40% on a telehealth product. Comfortable with PHP, Node.js, Angular, and MySQL — and I pick up new stacks fast when the project needs it.

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## CORE COMPETENCIES

Microservices | REST APIs | AWS (EC2, S3) | CI/CD Pipelines | Team Leadership | Database Tuning | Security (JWT, RBAC, HIPAA) | Payment Gateways | Code Reviews | Mentoring | Stakeholder Communication

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## SKILLS

**Languages:** PHP, Node.js, Python, Java, JavaScript, TypeScript

**Frontend:** Angular, HTML5, CSS3, Bootstrap

**Frameworks:** Express.js, Laravel, CodeIgniter, Zend, Yii, Smarty

**Databases:** MySQL, MongoDB, PostgreSQL

**Cloud & DevOps:** AWS (EC2, S3), GCP (GCS), Azure Storage, Docker, CI/CD, Git

**Integrations:** Razorpay, Stripe, CCAvenue, Google Maps API, SendGrid, WebRTC

**Tools:** JIRA, Bitbucket, VS Code, Monday.com, Trello, Slack

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## WORK EXPERIENCE

### Spring Computing Technologies Pvt. Ltd.

*Principal Software Engineer*

Dec 2021 – Present

- Led a team of 5+ engineers in designing microservices architecture.
- Set coding standards, do code reviews, and own sprint ceremonies.
- Improved system performance and availability by optimizing complex MySQL queries and implementing indexing strategies and moving deployments to AWS EC2 + S3.
- Deploy code through CI/CD pipelines. Handle release coordination across environments.
- Added JWT auth and RBAC across all platform modules to tighten security.
- Work directly with product stakeholders on roadmaps, priorities, and release timelines.

### Nadsoft IT Solutions

*Senior Software Engineer*

Jul 2019 – Dec 2021

- Shipped 5+ full-stack apps in PHP. Focused heavily on page load speed — lazy loading, API tuning, frontend optimization.
- Handled a 4-person dev team. Ran sprints, reviewed PRs, and kept projects on schedule.
- Plugged in Razorpay and Stripe for payment processing across multiple client projects.
- Provisioned AWS EC2 instances and S3 storage for production workloads.

### Vertscend Automation Pvt. Ltd.

*PHP Developer / Team Lead*

Feb 2018 – Jun 2019

- Took ownership of enterprise app development in PHP and MySQL. Refactored legacy code and rewrote slow queries.
- Mentored 2 junior developers on Git workflows, clean code practices, and basic design patterns.

## Nice Designs Pvt. Ltd.

PHP Developer

Mar 2017 – Jan 2018

- Wrote custom PHP solutions and tuned MySQL queries — added indexes, restructured joins, introduced caching where it made sense.

## Belgave Group of Companies

Web Developer

Feb 2016 – Feb 2017

- Maintained several web apps. Improved frontend load times and cleaned up backend API endpoints.
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## KEY PROJECTS

### Telehealth Application | Angular, PHP, Node.js, MySQL, AWS EC2, S3, WebRTC

- Created a video consultation platform using WebRTC. Deployed on EC2, media stored in S3/Azure Storage/GCS.
- Rewrote the API layer and tuned queries — response times dropped by 40%.
- Handled HIPAA compliance: encryption at rest, access controls, audit logging.

### Health Diagnostic Tests Platform | Angular, PHP, MySQL, AWS EC2

- Wrote a REST API middleware layer and overhauled the SQL queries behind it for better throughput.
- Put together a patient portal and an internal employee console for managing test bookings.

### ENTRE Institute – Educational Platform | PHP, MySQL, AWS, Stripe

- Developed an ed-tech platform with affiliate tracking, lead management, and self-serve enrollment.
- Wired up Stripe for recurring subscriptions and invoice generation.

### RTRBO – Vehicle Rental Platform | Zend, MySQL, LAMP

- Shipped a full vehicle rental platform: search, booking, inventory, and payment — end to end.

### Hospital Management System | PHP, MySQL, Bootstrap

- Created a multi-module system with RBAC for doctors, nurses, and admin staff.
  - Configured SMS triggers for appointment reminders. Helped reduce patient no-shows.
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## EDUCATION

### Bachelor of Engineering (Computer Science)

Shivaji University, Kolhapur, Maharashtra

2015