

Dhyey Shah

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SUMMARY

Senior Software Engineer with expertise in **backend development, cloud architecture, and scalable systems**. Skilled in **solving complex challenges, optimizing performance, and leading technical initiatives**. Strong background in **microservices, DevOps, and system design**, ensuring efficient and maintainable solutions. Currently expanding expertise to transition into a **Solutions Architect role**, focusing on **scalability, cost-efficiency, and emerging technologies**. Takes a structured approach to break down the bigger and complex feature into smaller ones and continuously seeks improvements to enhance processes and drive product success.

EXPERIENCE

Software Engineer 2

Pardy Panda Studios

Vadodara

Nov 2023 – Present

- Developed and deployed a scalable **e-commerce store** for a clothing brand using **Medusa (headless CMS)**, architecting a robust backend with a strong focus on **inventory management** and deploying it on **AWS**
- Improved cloud infrastructure, reducing operational costs by **60%** by analyzing resource utilization and adopting efficient practices
- Enhanced payment processing by researching and integrating cost-effective payment gateways, achieving a **25% reduction** in transaction fees
- Mentored a team of **2–3 engineers**, driving collaboration, skill development, and consistent achievement of project milestones
- Planned and implemented a **CI/CD pipeline** ensuring **secure deployments** with near-zero downtime, reducing deployment time by **95%**

Senior Software Engineer

Writespace Infotech

Remote

Mar 2023 – Oct 2023

- Optimized database queries to deliver **75% faster response times**, reducing server resource usage by **30%** and enhancing application performance
- Led the backend system development for an **Uber-like app**, streamlining payment gateway integration and improving payment success rates by **15%**
- Built scalable **APIs and cloud infrastructure** using **AWS services**, contributing to a **20% improvement** in system uptime during peak usage
- Created a robust **sports arena management system** that increased client revenue by **50%**, managing end-to-end **architecture, database, and deployment** on **AWS**

Associate Engineer

Tata Consultancy Services Ltd.

Gandhinagar +, India

Oct 2021 – Feb 2023

- Collaborated with teams to debug and optimize complex codebases, reducing bug resolution times by **40%** through structured approaches and effective communication
- Learned web design fundamentals and contributed to front-end maintenance, achieving a **15% reduction** in UI rendering times
- Acquired expertise in large-scale project structures, ensuring seamless navigation and understanding of **enterprise-level software systems**

TECHNICAL SKILLS

Certifications: AWS Cloud Solutions Architect - Associate

Languages: JavaScript, TypeScript, Python, Java, C/C++

Frameworks: ExpressJS, NestJS, ReactJS, Node.js, REST API, GraphQL

Databases: PostgreSQL, TypeORM (ORM), Sequelize (ORM), MongoDB, Mongoose, Redis

Tools: Git, Terminal, Docker, Cursor, Warp

Cloud & DevOps: AWS (EC2, Route 53, RDS, ELB, S3, Cloudfront, IAM, Cloudwatch, Lambda, Amplify), Docker, Gitlab CI, Yaml, Docker-Compose, Cloudflare, Tunnels, Nginx

PROJECTS

Personal Cloud Storage on AWS – (Nextcloud, Cloudflare, Apache, rsync, Syncthing, Net-working)

- Used an Open-Source Project and deployed a **self-hosted cloud storage system** using **Nextcloud** on **AWS**, allowing secure and private file access.
- Configured **Cloudflare** to manage DNS, improve security, and optimize traffic routing for better performance.

- Implemented **rsync** and **Syncthing** for seamless file synchronization across multiple devices, ensuring data consistency.
- Set up a **PHP-based Nextcloud server** on **Apache**, gaining hands-on experience with web hosting, reverse proxy configurations, and load balancing.

Stock Market Wealth Tracker App – (React, Node, Mongoose, Yahoo Finance APIs, Material UI)

- Developed a **real-time stock and mutual fund tracking application** providing users with insights into their investment performance.
- Integrated **financial data APIs** to fetch live stock prices, mutual fund NAVs, and historical market data for better investment decisions.
- Designed an optimized **PostgreSQL** database schema for efficient storage and retrieval of financial data, reducing query execution time.
- Applied alerting features for significant stock price changes, portfolio diversification insights, and CSV export for further analysis.

EDUCATION

The Maharaja Sayajirao University of Baroda, Vadodara

B.Tech in Electronics Engineering

- **Coursework:** Embedded C, PLC, Control Systems, Analog System, Instrumentation