

# Hitesh Vaghela

Software Architect & Builder · AI-First Products & Internal Platforms

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## SUMMARY

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Software architect and hands-on builder with 11 years building ERP and CRM platforms, focused on the layer other engineers build on: component frameworks, data-grid infrastructure and query performance. Shipped an in-house frontend platform of 29 JavaScript components and 54 server-rendered UI elements, now the build standard across product modules. Five years teaching data structures and algorithms.

## EXPERIENCE

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### Accrete Globus Technology

Team Lead

Bengaluru

Mar 2025 – Present

- **Designed and shipped an in-house frontend platform** — 29 JavaScript components, 54 server-rendered UI elements, plus validation and form engines — adopted as the build standard across product modules, shortening new-screen delivery and retiring duplicated view code.
- **Rebuilt the data-grid export pipeline** (synchronous and queued paths) to stream large exports in constant memory, replacing a path that silently capped at 1,000 rows.
- **Cut p95 load time on the heaviest report (previously 49s)** by replacing a correlated subquery over an unindexed column with an indexed join and batching N+1 resolvers.
- **Eliminated a class of silent data-corruption bugs** in bulk CSV ingestion, converting silently dropped rows into per-row actionable errors across all four import handlers.
- **Lead the engineering team** — architecture decisions, code review, and the migration roadmap moving legacy modules onto the new platform.

### Uro Veneer World

Full-Stack Developer

Bengaluru

Oct 2019 – Feb 2025

- **Architected an ERP/CRM covering inventory, order-to-cash and finance** for a multi-warehouse manufacturing business.
- **Reduced MySQL query latency** through index design, query rewrites and materialized report views, absorbing sustained data growth on unchanged hardware.
- **Built the REST API layer serving web and mobile clients** with token auth, a role-permission matrix and audit logging.
- **Built an internal PHP framework and reusable component library** adopted across product modules, substantially cutting per-module boilerplate.
- **Ran releases across a load-balanced multi-node fleet** with zero planned downtime.

### Self-employed

Freelance Full-Stack Developer

Bengaluru, Remote

Jul 2015 – Sep 2019

- **Delivered production modules for SMB clients**, including automated reporting that replaced manual spreadsheet work.

### Dr. Jivraj Mehta Institute of Technology

Lecturer

Gujarat

Jul 2010 – Jun 2015

- **Taught Data Structures & Algorithms, C/C++, Java and Computer Graphics** to undergraduate cohorts and mentored capstone projects.

## SKILLS

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**Languages:** PHP, JavaScript (ES6+), TypeScript, SQL, C++, Java

**Backend:** Node.js, Express, REST API design, RBAC & auth, Background job queues, Caching

**Frontend:** React, SASS, Web Components, Vite, jQuery

**Data:** MySQL (schema design, query tuning, replication), MongoDB, Redis

**Infra:** AWS, Docker, Linux, Apache/Nginx, Git & GitHub, CI

## EDUCATION

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B.E., Computer Engineering, Sardar Patel University · First Class

2008