

Adhithyan Vijayakumar

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PROFESSIONAL SUMMARY

- **Full-stack (Backend heavy) engineer with 7+ years of experience** building scalable, high-impact web products across **ed-tech, SaaS, and enterprise platforms**.
- **Delivered measurable business outcomes** — boosted **checkout conversions by 10% at Udemey** and scaled **Databus** backend from **1K to 100K+ daily requests**.
- **Expert in Python (Django), React, and Next.js**, combining system design depth with a **product-first mindset** grounded in data-driven A/B testing and **Test Driven development (TDD)**.
- **Led critical migrations and mentored teams**, transforming legacy codebases into secure, maintainable, and high-performing systems.
- **Thrives at the intersection of engineering, design, and business**, turning complex problems into **elegant, user-centric solutions** that scale.

EXPERIENCE

Senior Software Engineer

Bolt

Mar 2026 — Present

Talinn, Estonia

- **Migrated error tracking to Sentry**, increasing production issue visibility and reducing time-to-diagnosis for failures in route-sharing services
- **Designed and proposed a circuit breaker mechanism** to prevent excessive verification requests, improving system resilience and initiating cross-team architectural discussions
- **Maintained high system reliability** through active participation in on-call rotations and production incident resolution
- **Delivered critical bug fixes and stability improvements** across incident handling and route-sharing modules, ensuring consistent user experience

Senior Software Engineer (Fullstack)

Udemey

Apr 2024 — Sep 2025

Chennai, India

- **Boosted course checkout conversions by 5-10%** through A/B-tested React + Next.js components built for the Japanese market, in close collaboration with product and design teams.
- **Reduced localization QA cycles by ~40%** by modularizing i18n-ready components and streamlining the translation workflow, accelerating global rollout.
- **Accelerated feature delivery by ~25%** by implementing **Django REST APIs, GraphQL queries, and gRPC endpoints** powering high-traffic checkout variants (~20K API requests/day).
- **Lowered frontend regressions by ~35%** by leading rigorous code reviews and enforcing coding standards across the team.
- **Improved sprint predictability by ~20%** through disciplined Agile delivery and proactive cross-functional coordination.

- Made key **architecture trade-off decisions** between **Kotlin + Spring Boot microservices** and **Django monolith** for developing new APIs, balancing scalability, development speed, and maintainability based on product needs.
- **Implemented user tracking and analytics pipelines** to create **conversion funnels**, enabling data-driven insights into user behavior and feature performance.

Lead Engineer (Backend)

Databus

Oct 2022 — Mar 2024

Chennai, India

- **Architected and built Databus School Management System** from the ground up using **Django, Python, PostgreSQL, and Redis**, establishing a scalable foundation adopted across multiple institutions.
- **Scaled backend throughput from 1K to 100K+ requests/day** by optimizing database queries, caching, and asynchronous tasks to achieve sub-200 ms response times under peak load.
- **Led and mentored a 4-member engineering team** (backend + frontend), driving end-to-end delivery from requirements to production while maintaining **99.9% uptime**.
- **Reduced deployment errors by ~50%** through CI/CD pipelines, pre-commit hooks, linting, and automated test standards.
- **Accelerated development velocity by ~30%** via modular architecture, reusable components, and streamlined code reviews.
- **Enhanced system reliability by ~40%** by implementing structured logging, monitoring, and alerting pipelines that improved issue detection time.
- **Partnered with the founding team to define product roadmap and technical strategy**, aligning engineering execution with customer-centric business goals.

Software Development Engineer II (Fullstack)

Vimeo

Aug 2021 — Sep 2022

Bangalore, India

- **Engineered frontend components with Next.js**, leveraging **Server-Side Rendering (SSR)** and dynamic routing to deliver faster load times and improved SEO for Vimeo's **growth-hacking initiative "Vimeo Experts."**
- **Built full-stack integration between Vimeo Experts and SAP Litmos**, automating user certification and expert badge assignment through webhook-based workflows — **eliminating 100% of manual intervention** by Customer Success Managers.
- **Increased creator engagement by ~8%** through A/B-tested UI experiments and data-driven iteration across enrollment and badge visibility flows.
- **Developed REST APIs** to handle course completion events, badge status updates, and enrollment processes, ensuring seamless backend–frontend coordination.
- **Refactored modules in Vimeo's custom MVC PHP framework**, improving maintainability and enabling faster feature rollout across teams.
- **Collaborated with cross-functional teams** (product, design, and customer success) to align growth objectives with technical delivery, **reducing iteration cycle time by ~25%**.

Backend Engineer

HappyFox

Nov 2018 — Jul 2021

Chennai, India

- **Started as a backend engineer and transitioned into a full-stack role**, building robust features with **Django (Python)** and **Ember.js**, laying the foundation for 95% of the technical depth that shaped later career growth.

- **Led the migration of the Helpdesk platform from Python 2 to Python 3**, introducing automated unit tests and maintaining backward compatibility — a **near zero-downtime upgrade** that improved code coverage and long-term stability.
- **Replaced a legacy in-house background job framework with Django Celery**, enabling reliable asynchronous processing for emails, SLA tracking, and reports — **improving throughput by ~30%** and simplifying maintenance.
- **Designed and optimized database schemas** for core ticketing workflows, reducing query response times by ~35% and improving API performance under peak load.
- **Voluntarily identified and resolved multiple security vulnerabilities**, which directly **led to the creation of an internal Security Engineering team** and adoption of formal vulnerability management processes.
- **Delivered high-impact customer integrations under tight deadlines**, including a **Dynamics CRM integration** built without official SDK support — **delivered ahead of schedule**, securing a key enterprise client conversion.
- **Enhanced platform reliability and developer velocity** by setting up linting, CI/CD, and coding standards later adopted across engineering teams.
- **Collaborated closely with support and product teams** to translate customer needs into features, improving time-to-resolution and boosting client satisfaction scores.

Technical Skills

Frontend	React.js, Next.js, Ember.js, JavaScript (ES6+), TypeScript, HTML5, CSS3
Backend	Python (Django, Flask, FastAPI), PHP (custom MVC), Kotlin, Java, Ruby (rails)
Databases & Caching	PostgreSQL, MySQL, Redis, Cassandra, MongoDB, Dynamodb, Elasticsearch
Infrastructure & DevOps	Docker, Git, CI/CD (GitHub Actions), AWS, Google Cloud Platform (GCP), Firehydrant, PagerDuty, New Relic
Testing & Observability	Pytest, Selenium, Sentry, Unit Test Frameworks, Code Linting & Pre-Commit Hooks
System Design & Architecture	REST APIs, A/B Testing Frameworks, Internationalization (i18n), Scalable Monolith & Microservices Design

EDUCATION

Master of Business Administration in HR and Finance	Aug 2016 — Apr 2018
College Of Engineering, Guindy, Anna University, Chennai	
Bachelor of Engineering in Computer Science	Jun 2011 — Apr 2015
College Of Engineering, Guindy, Anna University, Chennai	