

UTSAV THAKKAR

BACKEND DEVELOPER

Contact Information

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Open to Relocation - Dubai, UAE

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PROFESSIONAL SUMMARY

Results-driven Backend Developer with **3+ years of proven experience** designing and delivering scalable backend solutions using Python and Django. Expertise in RESTful API development, IoT integration, cloud deployment, and real-time data processing. Demonstrated ability to manage 5+ concurrent live projects while maintaining high code quality. Seeking a Backend Developer role to leverage technical expertise and contribute to Dubai's growing fintech and IoT ecosystem.

CORE COMPETENCIES

- Backend architecture & API design
- Scalable and high-availability systems
- IoT & real-time data processing (MQTT)
- Database design & optimization
- Cloud deployment (AWS, Docker, Linux)
- Problem solving & ownership
- Cross-functional collaboration
- Leading and supporting technical teams

PROFESSIONAL EXPERIENCE

Associate Backend Developer

Rewardz (Subsidiary of Benefit One) | Singapore

June 2024 – Present

- Developed backend systems for **RAAS (Rewards as a Service)** platform serving global enterprise clients across multiple industries
- Implemented client-specific requirements** with 95%+ on-time delivery, ensuring seamless API integration with 10+ third-party services
- Collaborated with cross-functional teams (Product, Frontend, QA) to deliver scalable microservices handling 50K+ daily transactions
- Optimized database queries using Django ORM best practices, reducing API response time by 35%
- Tech Stack:** Python, Django REST Framework, PostgreSQL, AWS, Docker

Software Developer

SrashtaSoft | Ahmedabad

October 2021 – February 2024 (2 Years 5 Months)

- Successfully managed **5+ concurrent live production projects** generating \$500K+ annual revenue
- RAAS Platform Development:** Built comprehensive rewards management system enabling customized reward workflows across 20+ enterprise clients globally
- RaychemRPG (Automation Project):** Engineered real-time IoT data monitoring system using MQTT + Django REST Framework for automated electric glove production, reducing defects by 40%
- HikEMM (Energy Management):** Developed real-time energy consumption monitoring platform with analytics dashboards, enabling clients to reduce operational costs by 20--30%
- Datesafe (SaaS Platform):** Built backend for matchmaking dating platform with advanced recommendation algorithms and real-time notifications
- Designed and deployed secure REST APIs with JWT authentication, rate limiting, and comprehensive error handling
- Implemented database optimization techniques (indexing, query optimization, connection pooling) improving system performance by 45%
- Managed payment integrations (Stripe, Razorpay) processing 1000+ transactions/month with 99.9% success rate
- Tech Stack:** Python, Django, PostgreSQL, MySQL, MQTT, AWS, Docker, Redis, Celery

TECHNICAL SKILLS

Languages & Frameworks:

Python (Expert) | Django & Django REST Framework | MQTT Protocol

Databases:

PostgreSQL | MySQL | Database Design & Optimization | ORM (SQLAlchemy)

Cloud & DevOps:

AWS (EC2, RDS, S3, Lambda) | Docker | Linode | Git/GitHub/GitLab | CI/CD Pipelines

APIs & Integrations:

RESTful APIs | JWT Authentication | Stripe | Razorpay | Twilio | SendGrid

Tools & Platforms:

Jira | Swagger UI | Kibana | HTML/CSS | Postman | Linux

KEY PROJECTS & ACHIEVEMENTS

RAAS (Rewards as a Service) – Enterprise Rewards Platform

Comprehensive B2B SaaS platform for managing enterprise reward programs across multiple verticals. Designed scalable microservices architecture handling concurrent operations for 20+ global clients.

- **Impact:** \$500K+ annual revenue | 99.8% uptime SLA
- **Technologies:** Python, Django DRF, PostgreSQL, AWS, Docker, Redis

RaychemRPG – IoT-Based Production Automation

Real-time monitoring and control system for electric glove manufacturing, integrating IoT devices with Django backend for seamless automation.

- **Impact:** 40% reduction in production defects | Real-time monitoring of 50+ devices
- **Technologies:** MQTT, Django REST Framework, PostgreSQL, AWS, Kibana analytics

HikEMM – Energy Consumption Monitoring Platform

State-of-the-art solution for real-time energy monitoring across multiple device types with predictive analytics and automated alerts.

- **Impact:** Enabled clients to reduce energy costs by 20--30% | Processes 10K+ sensor data points/minute
- **Technologies:** MQTT, Django, PostgreSQL, Real-time data processing, Analytics dashboard

Datesafe — AI-Powered Dating Platform

Matchmaking platform with advanced recommendation algorithms, real-time notifications, and secure user authentication.

- **Impact:** 10K+ active users | Advanced compatibility matching algorithm
 - **Technologies:** Python, Django, PostgreSQL, Real-time notifications
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EDUCATION

Master of Technology (Computer Engineering)

Chandubhai S. Patel Institute of Technology, CHARUSAT | Anand

Graduated: May 2025

Bachelor of Engineering (Information Technology)

U.V. Patel College of Engineering, Ganpat University | Mehsana

Graduated: May 2022

Awards & Achievements

Best Supportive Team Member Recognition – Awarded by Hikar for outstanding support, responsiveness, and strong commitment to project success (2023).

ADDITIONAL INFORMATION

Languages: English (Fluent) | Hindi (Native)

Relocation: Open to immediate relocation to Dubai, UAE