

# Utkarash Thakur

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## PROFESSIONAL SUMMARY

Java Backend Developer with over a year of professional experience in building scalable APIs, handling data securely, and improving system performance. Proficient in writing clean, maintainable code, integrating various systems, and optimizing data handling through SQL and Redis. Focused on writing reliable, testable code and continuously refining backend systems while growing technically and contributing to impactful work.

## SKILLS SUMMARY

- **Languages:** Java, JavaScript
- **Frameworks:** Spring, Spring Boot, Hibernate, Microservices, RESTful APIs
- **Databases:** PostgreSQL, MySQL, Redis
- **Tools:** Git, Postman, Jira, Confluence, Swagger, Bruno

## WORK EXPERIENCE

**APPLICATION ENGINEER - 1** **March 2024 - Present**  
**Hyperface Technologies Private Limited (Jaipur, Rajasthan)**

### API Development & Integration

- Designed and developed an integration framework from scratch, enabling banks to easily customize and manage vendor integrations with a plug-and-play approach, ensuring minimal effort when adding new vendors.
- Integrated 20+ APIs across multiple categories, improving system efficiency and scalability.
- **Messaging:** Developed a scalable messaging system capable of delivering up to 3 lakh SMS and email messages in a single batch, with support for both bulk and single sends, and webhook-based delivery tracking and confirmations.
- **Voucher Management:** Developed voucher lifecycle APIs including creation, retrieval, and status tracking.
- **Credit Line & Payment:** Implemented credit line provider **LoanTap** APIs to manage order creation, cancellation, delivery and OTP-based verifications, transaction tracking, and generate payment links for credit bill settlement.
- **Payment Processing:** Integrated payment gateway APIs to create and refund orders, handle real-time status updates via webhooks, and configured SDKs for end-to-end flow testing.
- **Push Notifications:** Implemented push notification services to boost user engagement.
- **Authentication Handling:** Managed API authentication via JWT-based payloads, ensuring secure communication for 90% of system interactions.
- Developed retry mechanisms, reducing API failure rates and improving data consistency.
- Implemented filter-level audit logs to monitor user activities, tracking API usage along with corresponding requests and responses.

### Database & Optimization

- Optimized complex SQL queries to support dashboard filters with multi-select and multi-category inputs.
- Reduced redundant API calls by 40% by caching authentication tokens and frequently accessed data in Redis.

### Testing & Documentation

- Implemented unit tests covering 90% of API functionality to enhance reliability and accuracy.
- Documented 80% of implemented APIs using Swagger and managed Postman collections for streamlined testing and collaboration.

## EDUCATION

**Java Backend Development Certification** **January 2023 – December 2023**  
Masai School, Bengaluru, Karnataka

**Bachelor of Science (Computer Science)** **April 2017 – April 2023**  
Govt. Post Graduate College, Una, Himachal Pradesh

## CERTIFICATION

**HackerRank Java (Basic) Certification** **April 2025**

**HackerRank SQL (Intermediate) Certification** **April 2025**