

# Harsh Kumar Arya

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**SUMMARY:** **Software Developer** dedicated to creating scalable, secure and high-performance backend systems that drive modern applications and deliver exceptional user experiences.

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## TECHNICAL SKILLS :

- **Backend Development:** Node.js (TypeScript and JavaScript), Express.js, NestJS
  - **Databases and Storage:** PostgreSQL, MySQL, MongoDB (Schema Design, Query Optimization, Indexing), Redis (Caching)
  - **Authentication and Security:** OAuth, JWT, Auth0, Role-Based Access Control (RBAC)
  - **Scalability and System Architecture:** Microservices Architecture, Event-Driven Systems (RabbitMQ), Serverless Architecture, Scalable Solutions
  - **API Development:** RESTful and GraphQL, API Documentation
  - **DevOps and Deployment:** AWS (EC2, S3, RDS, Lambda), Cloud Deployment, Docker, CI/CD Pipelines (GitHub Actions, GitLab CI/CD)
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## EXPERIENCE :

**Senior Software Engineer** - [Wemotive Forge Private Limited](#) | April 2022 – Present

- Designed and optimized backend architectures for Web3, e-commerce, and management systems.
- Developed REST APIs for seamless data exchange and integrated Auth0-based authentication.
- Implemented product customization and variant management for e-commerce platforms.
- Integrated YouTube APIs for fetching and managing playlists and video content.

**Associate Software Engineer** - [Deepspace9 Technologies](#) | May 2021 – April 2022

- Developed and maintained MongoDB-based backend services.
- Built and managed backend solutions using PHP (Laravel) for e-commerce and POS applications.
- Optimized PostgreSQL queries and schema designs for high-performance applications.

**Software Development Engineer** - [Inventics Software Private Limited](#) | April 2020 – April 2021

- Developed a dynamic price list module enabling location-based and condition-driven service pricing.
  - Improved service charge management by creating a flexible and scalable pricing system for better operational control.
  - Collaborated directly with the client to implement custom features and enhancements for a laundry management application.
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## PROJECTS :

[Valu](#) – Web3 Education and Investment Platform

**Tech Stack:** Node.js (TypeScript), PostgreSQL, Auth0, YouTube API

- Developed backend services and integrated YouTube APIs for content management.
- Enabled seamless content delivery for 1000+ videos using optimized backend services and scalable architecture.
- Implemented Auth0-based authentication and role-based access control.

## **ONDC Seller App**

**Tech Stack:** Node.js, MongoDB

- Designed and implemented product variant management, tax structures, and order workflows.

## **Education SDK**

**Tech Stack:** Node.js, MongoDB

- Built a school management system for student and teacher administration, attendance tracking, and course management.

## **Artifex – Project Management Tool**

**Tech Stack:** Node.js, MongoDB

- Developed task management workflows, role-based access control, and real-time discussions for collaboration.

## **POS Web App for Nike (India)**

**Tech Stack:** PHP, Laravel, JavaScript, jQuery, MySQL

- Developed a POS system for order, inventory, and accounting management across Nike India stores.

## **VegNonVeg – India's First Multi-Brand Sneaker Store**

**Tech Stack:** PHP, Laravel, JavaScript, jQuery, MySQL

- Built backend services for order and inventory management.

## **Chat-App (Real-Time Communication System)**

**Tech Stack:** Node.js, MongoDB, Express.js, Mongoose, Socket.io

- Developed a real-time chat application with multi-user chat rooms using WebSockets.

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**EDUCATION :** [Institute of Engineering and Technology](#), Lucknow | July 2017 - January 2020