

VIKAS KHAMBRA

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SUMMARY

Full-Stack Developer (SDE-2) with 5+ years of experience delivering scalable web and mobile applications across fintech, logistics, legal-tech, and P2P/I2I platforms. Proven ability in building end-to-end systems, including secure authentication workflows, modern UI/UX interfaces, and robust backend architectures. Highly skilled in React, Next.js, JavaScript, Node.js, Python, and cloud technologies (AWS, GCP). Seeking a role where I can leverage my technical expertise, product thinking, and problem-solving skills to contribute to high-impact, fast-growing engineering teams.

Skills

- **Programming:** HTML, Css, JavaScript, python
- **Frameworks:** React, Next.js, Node.js, Express.js, RAG, FastAPI
- **Databases:** PostgreSQL, MongoDB, ChromaDB, Supabase
- **Devops:** Docker, GCP, EC2, AWS Lambda, cloud functions

Work Experience

Arthmate Financing India Private Limited

Jun 2024 - Present

SDE-2

- Developed front-end and back-end fintech P2P, i2i, and legal-tech platforms for lawyer websites using Supabase and PostgreSQL, enhancing user experience, data handling, and operational efficiency by reducing page load times and increasing user registration rates
- Delivered agency/agent modules for collection, recovery, and tele-calling workflows using Python and Flutter, and built authentication flows with OTP and email sign-in for B2B clients, improving security and reducing unauthenticated access incidents
- Developed data-extraction modules using PostgreSQL to identify thousands of loan customers with missed EMIs, overdue payments, DPD buckets, due dates, NPA accounts, and defaulters, which improved the speed and accuracy of recovery workflows and enabled the team to prioritize high-risk accounts for follow-up
- Built web scrapers to automatically extract data from external websites, filled all the details, solved captcha, processed the results, and stored them in the database. Implemented user subscription features and scheduled cron jobs to send daily notifications based on new or updated data
- Developed an end-to-end RAG pipeline for legal-tech applications-automating PDF extraction, chunking, text embedding, and vector storage in ChromaDB-which streamlined document search and improved efficiency for thousands of legal files.

Virya Logistics Technologies Pvt. Ltd.

Jun 2023 - Feb 2024

Full Stack Developer

- Created a comprehensive logistics solution that simplified booking, documentation, and cargo tracking for importers, exporters, and freight operators, enhancing efficiency in handling domestic and international shipments via LCL, FCL, and Air
- Developed multi platform web applications and a user management system with Node.js and that supported Cross Border, Central, and Domestic Transport roles, improving role efficiency and access
- Engineered a unified entity management system with MongoDB that captured GST, PIN, and TIN for Indian and international vendors/customers, automated verification, and reduced unauthorized branch-level and user-level access, enhancing data integrity
- Developed and integrated driver and vehicle tracking modules for the logistics website, enabling real time parcel location updates that allowed customers to track their deliveries, improved route planning for drivers, and increased transparency and efficiency in daily operations.
- Implemented robust role-based access control (RBAC) across entity, vehicle, and driver management systems, ensuring that only authorized users could view or modify sensitive data, strengthening platform security and operational integrity.

Tech ferry Infotech Pvt. Ltd.

Mar 2022 - Jun 2023

Software Developer

- Designed and structured the overall website architecture-including database schema, backend API layer, and modular frontend components-resulting in improved scalability, performance, and maintainability across the platform.
- Developed a comprehensive broker onboarding and registration module, along with dynamic plan-management features, allowing brokers to update profiles, manage listings, and upgrade plans seamlessly, enhancing platform usability
- Implemented end-to-end broker email functionality integrating backend services and frontend flows to support automated communication, providing status updates and plan-related notifications, enhancing user engagement
- Built a robust subscription and payment management system that dynamically unlocks premium features based on user payment status, improving monetization and enhancing customer experience.

News Xsys Technologies.

Jan 2021 - Mar 2022

Software Developer

- Led improvements in responsive UI design using advanced CSS and layout techniques, delivering a seamless and consistent experience across mobile, tablet, and desktop platforms.

- Designed and developed key interface components-including enhanced Navbar tabs, Dashboard modules, Sliders, and Home page sections to improve navigation efficiency and overall user engagement.
- Architected and integrated RESTful APIs while ensuring smooth communication between frontend and backend systems, resulting in faster load times, reliable data flow, and improved application stability.
- Worked closely with product and design teams to implement high-quality UI/UX standards, identify usability gaps, resolve critical bugs, and enhance accessibility for a wide range of user groups.

Projects

Arthmate

- **Primary Tech:** JavaScript,ReactJs,Python, AWS, Lambda, S3, API Gateway, MongoDB, EC2,code Commit ,
- Designed and implemented Python backend services following principles to handle loan origination, recovery workflows, EMI schedules, and legal-case processing.
- Built serverless REST APIs using FastAPI as a Lambda wrapper, deployed via AWS Lambda + API Gateway for scalable fintech workloads.
- Offers a plug-and-play microservices-based lending stack, including loan origination, loan management, bureau checks, cKYC, PAN/Aadhaar verification, and bank-statement analysis.
- Developed Python cron-based jobs for daily reporting, missed EMI detection, and automated notifications and integrated secure authentication, authorization, and role-based access
- Wrote and optimized MongoDB aggregation pipelines (joins, grouping, sorting, indexing) to efficiently process DPD buckets, NPAs, overdue loans, and recovery prioritization.

VakeelAssist

- **Primary Tech:** Python, GCP Cloud functions, E2 ,Reactjs,NextJS ,ChromaDB, RAG, vector emdedding,PostgresSQL
- Built microservices to process legal documents, court orders, judgments, and case metadata.
- Developed real-time court-listing,cause list alerts using WhatsApp to notify users of hearings, venue updates, and case status changes.
- Designed a unified platform for legal research, case tracking, and document access-optimized for Indian courts and used by practicing lawyers.
- Implemented backend pipelines for PDF parsing, text extraction, normalization, and storage using Python.
- Integrated vector search using Python-based embedding pipelines for intelligent legal document retrieval.

Agraga

- **Primary Tech:** ReactJS,NodeJS, ExpressJs, MongoDB, AWS,EC2 , PostgreSQL
- Agraga is a tech-driven logistics company that simplifies global B2B trade by offering end-to-end solutions for FCL, LCL, and air freight shipments.
- Developed backend services to manage shipment lifecycle events for FCL, LCL, and Air freight. Implemented REST APIs to handle bookings, tracking updates, documentation workflows, and vendor coordination.
- By combining advanced technology with logistics expertise, Agraga helps businesses manage cross-border shipments efficiently, transparently, and at lower operational costs.
- Provides Door-to-Door and Port-to-Port logistics solutions across global geographies for both Ocean and Air shipments.

Techferry

- **Primary Tech:** React , Nodejs, Flutter, AWS Lambda, MongoDB
- Designed and developed CRUD REST APIs for core business entities, following clean code and OOPS principles.
- Implemented a secure authentication and authorization system (login, role-based access control, token validation) and build register deatils pages at the backend.
- Debugged production issues, optimized backend logic and database queries, and improved overall API response times.
- Implemented Subscription or premium plan pages , build UI responsive screens

Publications

- Research Paper.*Implemented schema transformation from RDBMS to NoSQL using hierarchical clustering.*

Education

MDU ROHTAK

Bachelor of Technology

Jul 2014 - Sep 2018