

EPAM:

Technical Program Manager | CMS and Mobile App Delivery | Red Ventures | 2025-Now

Key Achievements:

- Driving the migration of legacy CMS content to a new Contentful-based system, ensuring scalability, improved content delivery, and AI-driven personalization.
- Collaborating with Lonely Planet's leadership, editorial, and engineering teams to define an AI-powered recommendation engine to provide hyper-personalized travel content, itinerary suggestions, and location-based recommendations within the mobile app to support 5m+ user interactions per month.
- Guiding the Discovery Phase, ensuring alignment with business objectives, user needs, and AI-enhanced content strategies, laying the foundation for a successful 2025 public launch.
- Facilitating deep integration with AWS and AI tools, ensuring that the application leverages scalable cloud architectures and AI-driven data analytics.

AI & Cloud Technologies:

- AI/ML Personalization & Recommendation: NLP, Machine Learning models for user behavior analysis
- Cloud Infrastructure & DevOps: AWS (EKS, Lambda, RDS), Terraform
- Mobile Development: React Native
- CMS & Content Strategy: Contentful CMS, Canto DAM
- Data & Analytics: Amplitude, Databricks

Impact & Scalability Metrics:

- Migrating 1000+ of travel guides with more than 1mln Points of Interest from legacy CMS to a modern API-driven content architecture.
- Implementing AI-based personalization, optimizing content discovery and user engagement for millions of travelers.
- Accelerating app development for a projected 2025 public launch, setting clear milestones, content workflows, and roadmap execution.

Technical Program Manager | Multi-Brand Mobile App Implementation | Travel and Leisure | 2024

Key Achievements:

- Led a 50+ FTE EPAM delivery team, including Design, Business Analysis, Solution Architecture, Development, Backend, QA, and Leadership streams.
- Executed program and stream-level planning, overseeing production staffing, dependency tracking, and C-level reporting.
- Managed end-to-end release planning, driving App Store & Google Play submission processes, ensuring a smooth product launch according to planned roadmap in 2024 with minimal defects.
- Rescued a Red-Status project, implementing a 5 month Go-To-Green strategy, accelerating releases, and stabilizing the production pipeline for on-time go-live.

- Established scope and budget-based change management process to stabilize minimum viable delivery for production release.
- Led the development and delivery of the Club Wyndham mobile app, supporting 300,000+ owner families across 240+ vacation resorts globally.
- Achieved a 4.3/5 rating on the App Store with 7000+ downloads, optimizing user experience and engagement through intuitive UI/UX, performance tuning, and enhanced self-service booking flows.
- Lead implementation of a Backend-For-Frontend (BFF) architecture, optimizing API performance by caching and offloading processing from legacy services, improving mobile speed in compare with web application experience by 60%.
- Projected 2025 revenue uplift of 15%, driven by increased app engagement, direct bookings, and improved loyalty program utilization.

Scalability & Performance Metrics:

- 900,000+ Wyndham owner families served
- 240+ resort locations accessible via the mobile app
- 4.3/5 App Store rating
- Projected 15% revenue increase by 2025
- Optimized API performance through BFF, reducing mobile API latency by X%
- Automated mobile build & testing pipelines, cutting release cycle times by Y%

Technologies & Tools:

- Mobile & API Development: Flutter, Java, REST APIs
- CI/CD & DevOps: Jenkins, AWS, Apigee
- Design & Collaboration: Figma, Jira, Confluence

Data Engineering Manager | Generative AI Virtual Travel Agent | Travel and Leisure | 2023

Key Achievements:

- Developed and pitched the technical proposal for Generative AI Virtual Travel Agent at the C-level, shaping the AI-first strategy for Travel + Leisure's digital transformation.
- Successfully released Voya into production in 5 month (go.travelandleisure.com/voya), launching a fully operational AI travel planner delivering personalized, real-time travel assistance for millions of users.
- Led the end-to-end architecture and development of an AI-powered Virtual Travel Agent, integrating LLMs, vector search, and fine-tuned embedding models to optimize content retrieval and user engagement.
- Integrated AWS Bedrock, and Amazon Kendra, enabling semantic search, personalized trip planning, and AI-driven itinerary recommendations.
- Drove PoCs and technology evaluations, selecting optimal LLM architectures, search indexing, and NLP frameworks to improve response accuracy and user experience.
- Collaborated with AWS solution architects and account managers, securing investment for AI infrastructure optimization, and leading migration from MySQL to Amazon RDS.
- Managed a cross-functional AI/ML team (1 Product Owner, 1 Scrum Master, 1 Business Architect, 2 Data Scientists, 1 Front-end Developer, 1 QA), ensuring on-time feature delivery and continuous model optimization.

AI & Cloud Technologies:

- LLMs & NLP: AWS Bedrock, Amazon Kendra, LangChain, Claude AI
- Vector Search & Embeddings: Pinecone, ElasticSearch
- Machine Learning & Personalization: Fine-tuned transformer models, Recommendation Systems
- Back-End Development: Python, REST APIs
- Cloud Infrastructure: AWS (EKS, Lambda, RDS, S3), Terraform
- Data Processing & Analytics: Databricks, Apache Spark

Impact & Scalability Metrics:

- Processed millions of real-time search queries using AI-powered vector search and embedding models.
- Enabled real-time, AI-powered trip planning and dynamic recommendations for millions of users.

Engineering Manager | Agile & Digital Factory Governance | Travel and Leisure | 2023

Key Achievements:

- Led Agile & Digital Factory transformation, transitioning and operationalizing Digital Factory pods, establishing standardized Agile governance structures, and scaling offshore delivery teams.
- Brought +\$4mIn year-to-year revenue pipeline with up sales and cross sales of digital transformation services.
- Supervised 25+ engineers and offshore Delivery Managers, ensuring alignment across distributed teams and driving engineering excellence.
- Managed high-level C-level reporting, providing visibility into delivery progress, financials, and key risks, ensuring data-driven decision-making for executive leadership.
- Led the introduction and onboarding of AI & GenAI tools to enhance SDLC productivity, accelerating development cycles and improving manual and automation engineering efficiency.
- Implemented AI copilots and productivity tools, boosting developer efficiency and code generation by 20% and quality gates coverage by 40%.

Technologies & Tools:

- AI Productivity & SDLC Acceleration: Cursor, GitHub Copilot, EPAM Dial
- Agile & Governance: SAFe, Scrum, Digital Factory Frameworks
- DevOps & CI/CD: Kubernetes, Jenkins, Terraform, Automated Testing
- Development & Cloud: .NET Framework, SQL, Smalltalk, Cloud Infrastructure Governance

Principal Engineering Manager | Data Analytics and Digital Transformation | US Largest Student Loan Provider (Nelnet) | 2022

Key Achievements:

- Led a large-scale digital transformation program for Nelnet, one of the largest student loan providers in the USA, managing 50+ engineers across multiple technology streams.
- Oversaw key initiatives, including:
 - BI & Analytics Transformation: Developed a Power BI reporting portal to streamline data visualization and analytics for loan processing and compliance.

- Microservices Migration: Led legacy system modernization, transitioning to containerized microservices for scalability and performance.
- Angular Migration: Managed a front-end framework upgrade, improving UI/UX consistency and reducing page load times by 60%.
- Technical Support & Reliability: Established a SRE-driven support model, improving system uptime and response times by 20%.
- Directed pre-sales, contract negotiations, and new business development, securing additional projects and ensuring continuous account growth bringing +\$2m revenue in 2022.
- Designed and governed delivery processes, ensuring adherence to Agile SAFe methodologies, optimizing project execution and reporting across all streams.

BI & Analytics Scale & Impact:

- Processed millions of student loan records via Power BI and SQL-based reporting dashboards.
- Reduced report generation time by 60%, enabling real-time decision-making for compliance and financial oversight.
- Integrated cloud-based analytics, leveraging AWS Redshift & Snowflake for scalable data warehousing.

Scalability & Performance Metrics:

- 50+ engineers across multiple technology domains.
- Migration of thousands of loan processing transactions from monolithic to cloud-native microservices.
- Reduced Angular-based UI latency from 900ms to 300ms, enhancing user experience for loan servicing portals.
- Improved system uptime to 99.99% via SRE-driven monitoring and automated incident response.

Technologies & Tools:

- Cloud & DevOps: AWS (EC2, S3, Lambda, Redshift, RDS), Kubernetes, Terraform, CI/CD Pipelines
- BI & Analytics: Power BI, SQL Server, AWS Redshift, Snowflake
- Microservices & APIs: Java, Spring Boot, REST, GraphQL
- Frontend Modernization: Angular, React, TypeScript
- Agile & Governance: SAFe, Scrum, Delivery KPIs, Financial Planning

Data Engineering Manager | AI-Powered Ad Forecasting Platform | Leading TV Device company (ROKU) | 2021

Key Achievements:

- Led a cross-functional team of EPAM engineers within Roku's AI-driven advertisement forecasting program, driving real-time bidding (RTB) and predictive analytics improvements for millions of ad impressions per second across 70M+ Roku devices.
- Oversaw the architecture and delivery of cloud-based big data pipelines, enabling terabyte-scale real-time user behavior data processing and supporting high-speed ad auctions with sub-100ms latency.
- Worked closely with EPAM's AI/ML engineers to integrate Apache Spark MLlib and AWS EMR, improving ad targeting accuracy by 30% and reducing bid wastage by 10%.
- Facilitated the integration of predictive analytics dashboards, ensuring seamless alignment between GoodData BI, PostgreSQL, and DynamoDB, providing real-time insights into ad campaign performance and ROI.

- Supervised an AI/ML engineering team (2 AWS+Big Data Principal Engineers, 2 BI Lead Specialists), ensuring high-performance model deployment and operational efficiency.

Key AI & Machine Learning Technologies Used:

- Real-Time Ad Bidding & Forecasting Models:
 - Predictive Modeling – Time Series Forecasting (ARIMA, LSTMs), Bayesian Inference for ad demand estimation
 - Reinforcement Learning – Multi-armed Bandits, Deep Q-Networks (DQN) for ad placement optimization
 - Recommendation Systems – Collaborative Filtering (ALS), Content-Based Filtering for personalized ad targeting
 - Graph-Based Machine Learning – Knowledge Graphs for advertiser-user connections
- Big Data Processing & Storage:
 - AWS EMR + Apache Spark – Scalable ML processing
 - DynamoDB + PostgreSQL – Real-time analytics and storage
- Business Intelligence & Analytics:
 - GoodData BI Platform – Interactive analytics dashboards
 - AWS Lambda & EC2 – Scalable serverless data processing

Scalability & Performance Metrics:

- 70M+ Roku devices supported with real-time ad targeting.
- Millions of ad transactions per second handled via AWS EMR + Spark.
- Sub-100ms response time for RTB ad auctions.
- Reduced bid wastage by 10%, improving ad fill rates and revenue efficiency.

AWS Cost Optimization Strategies:

- Reduced AWS EMR compute costs by 30% through:
 - Auto-scaling policies & spot instances to dynamically adjust infrastructure usage.
 - Optimized Spark job scheduling, leveraging AWS Glue for more efficient data processing.
 - Serverless processing (AWS Lambda) for low-latency event handling, reducing EC2 compute dependency.
- Lowered DynamoDB storage expenses by 20% via TTL-based data expiration & on-demand capacity mode.
- Reduced query costs by optimizing PostgreSQL indexing, improving dashboard performance while minimizing storage overhead.
- Achieved 10% reduction in overall cloud expenses, ensuring high efficiency at scale without compromising performance.

Technical Program Manager | Leading US Publishing Company (EBSCO) | 2018-2021

Key Achievements:

- Grown an engineering team from 10 to 150+ engineers across the US, CEE, and India, delivering a cloud-native content processing and delivery pipeline on AWS for large-scale data migration, 50+ microservices, UX modernization across 27 products, and Salesforce migration.
- Brought +\$7mln year-to-year revenue pipeline with up sales and cross sales of digital transformation services.

- Led the Proof of Concept (PoC) for the AWS cloud migration, transitioning from on-premises legacy systems to AWS, processing 4 billion of documents daily, 100 million search queries daily, and securing stakeholder buy-in for expanding the project scope.
- Led optimization of cloud-based data pipeline (AWS EKS, Terraform, Apache Flink, ELK), reducing legacy content processing time by 40%, accelerating new books release cycles from months to weeks.
- Delivered customer portal migration on Salesforce in just 6 months, reducing project costs by 30% through India-based engineering teams.
- Drove frontend modernization across 27 company products, implementing React-based component libraries & UX standards (Figma, Storybook), reducing new feature cycle time by 66% (from 12 to 4 months).
- Supported integrations of CI/CD pipelines (Jenkins, Terraform, SonarQube), enabling canary deployments, dark launches, and feature flagging, reducing deployment failure rates by 80%.
- Drove architecture group to design scalable cloud infrastructure using AWS EKS, Kubernetes, Istio Service Mesh, and Ambassador API Gateway, reducing API latency from 300ms to 45ms and improving API throughput by 40%.
- Enforced quality gates (unit tests, integration tests, consumer-driven contract tests, and E2E testing), increasing release confidence and reducing defects by 35%. Increased Code Coverage from 40% to 70% and reduced major and critical code smells and vulnerabilities to 0.
- Managed a group of 10 EPAM engineers contributing to an open-source library platform (FOLIO), enabling 170+ 3rd party library applications to successfully go live in 2020 (folio.org).
- Designed and Led Machine Learning product with 2 data , developing an automated book content classification system, reducing total factory publishing workflow/cycle time by 15%.
- Implemented Site Reliability Engineering (SRE) with a Follow-the-Sun model for 24x7 L2/L3 support.

Scalability & Performance Metrics:

- 4 billion indexed documents per day
- 100 million search queries daily
- 100K document updates per day
- Reduced b2b products release time from **12 to 4 months**
- Reduced API latency from 300ms to 45ms
- Achieved 99.9% SLA for content delivery pipelines

Technologies & Tools:

- Cloud & DevOps: AWS (S3, EC2, Glue, DynamoDB, Lambda, CloudFormation, CloudWatch, Route 53), Kubernetes, Docker/ECS, Terraform, Jenkins CI/CD
- Data & Processing: Apache Kafka, Elasticsearch, StreamSets, MongoDB, Apache Flink
- Monitoring & Automation: Grafana, Prometheus, OpsGenie, Datadog, SumoLogic, SonarQube
- Languages & Frameworks: Python, Spring Boot, React/Angular, Swagger

Cloud Cost Optimization Strategies:

- Reduced AWS compute costs by 40%, implementing:
 - Reserved & Spot Instances for cost-effective scaling of compute resources, optimizing EC2 and EMR workloads.
 - AWS Auto Scaling & Instance Scheduling, dynamically adjusting resources based on demand.
 - Third-party AWS Cost Profiler (e.g., CloudHealth, Cloudability, or AWS Cost Explorer) for cost analysis and waste reduction.
- Cut DynamoDB storage expenses by 35% using:

- TTL-based expiration policies to remove stale data.
 - On-demand vs. provisioned capacity models, reducing unused capacity costs.
- Optimized S3 storage & retrieval costs by 30%, implementing:
 - Intelligent-Tiering & lifecycle policies, ensuring optimal cost-performance balance for archived vs. frequently accessed content.
- Reduced PostgreSQL query costs by implementing optimized indexing strategies, improving dashboard performance while minimizing IOPS consumption.
- Achieved 20% reduction in overall cloud costs, ensuring high efficiency at scale without compromising performance or SLA commitments.

Data Engineering Manager | Blockchain Project | Largest Eastern European Bank | 2017

- Led the Proof of Concept (PoC) and production implementation of Bank's first billable, Blockchain-based identity management solution, as part of the "Data Cloud" initiative.
- Designed and implemented a blockchain architecture using IBM Hyperledger Fabric, smart contracts (Chaincode) and Go SDK, enabling secure, immutable identity verification while ensuring compliance with financial regulations.
- Eliminated manual errors and increased processing efficiency by 70%.
- Optimized compliance processing, reducing approval times from days to hours, and automating the processing of 50,000+ internal bank documents per month.
- Enhanced bank security and fraud prevention by implementing strict cross-department approval flows, reducing identity duplication risks and ensuring verifiable document authenticity.
- Engaged with Bank executives and compliance teams, aligning blockchain adoption with regulatory frameworks, leading to seamless approval for production deployment and long-term data cloud strategy.

Technologies & Tools:

- Blockchain & Smart Contracts: IBM Hyperledger Fabric, Go SDK, Chaincode Smart Contracts
- Backend & API Development: Spring Boot, CouchDB

Software Development Manager | AI-Powered Recommendation Engine | Telecom Company | 2017

- Led the development and delivery of an AI-powered Recommendation Engine (RE) for Telecom Company Messenger and news platform, targeting a 30 million-user network and a 6,000-client B2B base.
- Designed and implemented real-time data aggregation pipelines, collecting and analyzing 30+ mobile telemetry metrics to deliver personalized recommendations, increasing customer engagement and ad conversions.
- Drove a \$2M increase in ad revenue within the first year by optimizing targeted promotions and personalized content delivery.
- Established the project architecture, selecting and integrating Apache Spark, Apache Ignite, and in-memory data processing for low-latency recommendation generation.
- Implemented a robust CI/CD and monitoring strategy, leveraging Docker, Kubernetes, and Prometheus to enhance system scalability and real-time observability.
- Managed and coordinated Agile delivery, establishing Scrum workflows, backlog prioritization, and cross-team collaboration between Telecom company and EPAM engineering teams.
- Defined and optimized machine learning pipelines, enabling adaptive learning from user behavior and real-time adjustments to recommendation strategies.

- Led a multidisciplinary team (4 Developers, 1 Performance Engineer, 1 DevOps Engineer), ensuring high-performance deployment and system reliability.

Key Mobile Telemetry Metrics Processed:

- User engagement & interactions: Click-through rate (CTR), session duration, active/inactive users
- Behavioral analytics: Message read time, scrolling speed, interaction frequency
- Device telemetry: Network strength, app foreground/background state, OS & device type
- Location-based data: Geofencing insights, time-zone-based engagement
- Content preferences: Article views, video watch duration, ad interactions

Technologies & Tools:

- Big Data & ML: Apache Spark, Apache Ignite, TensorFlow, PyTorch, MLflow, Kubeflow
- Backend & APIs: Spring Boot, REST APIs, GraphQL
- Cloud & DevOps: Docker, Kubernetes, Terraform, Prometheus, CI/CD Pipelines
- Monitoring & Analytics: Grafana, ELK Stack (Elasticsearch, Logstash, Kibana), Kafka for event streaming

Software Engineering Team Lead | Largest Canadian Retail Group (Canadian Tires) | 2015 - 2016

Key Achievements:

- Led an Agile development team (10 Developers, 4 QA) to design and implement a new e-commerce platform for Canadian Tire Corporation, handling millions of product listings and transactions.
- Migrated and modernized the platform using Adobe CQ6 CMS (AEM), Java 8, and REST Web Services, ensuring high scalability and seamless content management for 1mln+ customers.
- Established Scrum best practices, managing sprint workflows, backlog prioritization, and technical debt reduction.
- Improved website performance through backend optimizations (Java, OSGi, Apache Sling), reducing API response times by 80%.
- Implemented CI/CD pipelines (Jenkins, Git, Maven) to automate deployments and testing, increasing release frequency from one time per week to daily releases.

Technologies & Tools:

Java 8, Adobe AEM 6.1, JSP, OSGi, Apache Sling, Apache Jackrabbit, REST Web Services, jQuery, IntelliJ IDEA, Git, JIRA, Maven, Log4j, Junit

T-Systems (Deutsche Telecom) | 2012 - 2015:

Software Engineering Team Lead | JIRA Automation Tool | 2015

Key Achievements:

- Led a 5-member engineering team to build JASTT, a JIRA-based time tracking & reporting tool, improving time management insights for project managers.
- Architected a SOA-based web application integrating JIRA REST API, providing custom time-tracking reports in XLS/PDF.
- Designed an intuitive web UI (PrimeFaces, JSF), improving usability for project stakeholders.

- Implemented authentication and security protocols using Apache Shiro, ensuring compliance with internal IT policies.

Technologies & Tools:

Java SE 7, Spring 4, JIRA REST API, Apache Shiro, PrimeFaces (JSF), Velocity, LiquiBASE, HyperSQL, Hibernate, Jasper Reports, Cloudbees

Software Engineering Team Lead | Deutsche Telecom Time Tracking System | 2014 - 2015

Key Achievements:

- Developed and optimized SAP OneERP, an internal global process management system for Deutsche Telekom, used for tracking time, orders, and materials.
- Refactored and modernized existing Java applications (Apache Wicket, Struts), reducing technical debt and improving maintainability.
- Implemented RESTful APIs enabling seamless integration with SAP systems via SAP JCO library.
- Improved reporting efficiency by implementing automated order tracking and auditing features.

Technologies & Tools:

Java 1.7, Apache Struts, JSP, Apache Wicket, SAP JCO, Eclipse, SVN, JIRA, Apache Tomcat, Maven, Log4j, JUnit

Software Engineering Team Lead | SVN Automation Tool | 2014

Key Achievements:

- Led a 4-member development team to build SVN-Sheepdog, a repository change tracking system with automated commit notifications and version monitoring.
- Designed system architecture with Spring Boot + SVNKit, allowing efficient repository change tracking.
- Developed automated email alerts for file changes, improving developer workflow efficiency.

Technologies & Tools:

Java SE 7, Spring 4, SVNKit, Apache Shiro, PrimeFaces (JSF), Velocity, LiquiBASE, HyperSQL, Hibernate

Senior Software Engineering | Domain Name Registration System | 2012 - 2013

Key Achievements:

- Developed and maintained DAVID & DORIS, an enterprise-grade domain name registration and administration system for Deutsche Telekom.
- Integrated domain registration services with Deutsche Telekom's OSS/BSS systems, improving operational efficiency.
- Developed BPM workflows to automate domain allocation and tracking, enhancing efficiency for network management teams.

Technologies & Tools:

Java 1.7, JSF (RichFaces), Hibernate 3, Spring 3.0, EJB 3.0, Activity BPM, JBoss, JIRA, Maven, Oracle

Siemens IT Solutions and Services (ATOS) | 2008 - 2012:

Senior Software Engineering | Telecom Resource Inventory System | 2012

Key Achievements:

- Developed Resource Inventory applications for telecom sector, managing service & resource orders for OSS systems.
- Architected and developed Oracle BPM workflows, integrating service order tracking and resource allocation.
- Built a prototype Service & Resource Order Management tool, leveraging Oracle ADF and WebLogic.

Technologies & Tools:

Java 6, Oracle ADF, Hibernate 3.5, EJB 3.0, Oracle BPM, Oracle JDeveloper, WebLogic, Maven

Software Engineering | Telecom Operations Supporting System | 2008 - 2001

Key Achievements:

- Developed OSS (Operations Support System) automation software for North-West Telecom (Rostelecom Group), supporting network operations and fault management.
- Implemented Java-based network monitoring tools, improving fault detection and system diagnostics.
- Enhanced telecom infrastructure management, developing inventory tracking systems for network resources.

Technologies & Tools:

Java (J2SE), JSP, Struts, JavaScript, XML/XSL, Apache Tomcat, Oracle

Recognition and Contribution:

- Drove presales and clients consultation on AI, GenAI, Blockchain, Data and Content Migration, Performance and Observability measurement, to bring >\$15mln revenue to EPAM last 10 years
- EPAM CEO showcase award for Data Pipeline engagement
- Prepared and Performed 8 company trainings about People Management, AI, Machine Learning, blockchain, and data architecture with average rating 4.55/5 across 350 participants in total.
- Mentor in Management Mentoring program for 5 managers due my carrier EPAM
- Interviewed for hiring about 250+ candidates during 10 years in EPAM
- Managed 53 internal promotion assessment sessions for Leading Engineering and Management positions during 10 years in EPAM
- Speaker on 10+ European conferences about AI, ML, Big Data, Blockchain topics

Education and Certificates:

- Business Analytics, Economics, Accounting | Harvard Business School | 2024
- Corporate Finance | Wharton University of Pennsylvania | 2022
- Digital Practitioner Body of Knowledge (DPBoK) | The Open Group | 2021
- Amazon Web Services Certified Solution Architect | AWS | 2022
- s
- Databases and Data Structures | Stanford University | 2013

- Software Engineering for SaaS | University of California, Berkeley | 2012
 - Computer Software Engineering | Master's Degree | Voronezh State Technical University | 2008
-

Pet Projects & Independent AI Initiatives

2024

- Automated Crypto & Stock Insights & Education Telegram Channels

- Developed a fully automated market intelligence system, analyzing 10,000+ comments and 100+ posts daily from Reddit & Twitter/X.
- Provides real-time market AI driven sentiment analysis, top asset picks, and AI-generated trading education lessons.
- Tech Stack: Python, Reddit API, Twitter API, OpenAI API, Telegram API

- Business Contact Finder & Parser

- Built a tool leveraging Google Places API to find and extract business contact details based on location-based search queries.
- Tech Stack: Google Cloud Platform (GCP), Python

- Truck Driver & Broker Availability Platform (In Progress)

- Mobile & web application enabling brokers to find available drivers in real time for covering unexpected delivery gaps.
- Tech Stack: Node.js, Next.js, MongoDB, React Native

2023

- AI Agent for Crypto Inheritance Management (Private Use, Coinbase Integration)

- Designed an autonomous inheritance agent that monitors user activity on Coinbase and, based on user-defined trusted contacts, ensures asset transfer if inactivity conditions are met.
- Tech Stack: Coinbase API, Node.js, React.js

- LLM-Powered Real Estate Description Generator (Gifted to Local Real Estate Agency)

- Built an AI-driven platform that generates & fine-tunes house descriptions tailored to the social profile of target buyers.
- Tech Stack: OpenAI API, Node.js, React.js

- Real Estate Agent & Buyer-Seller Commission Bidding Portal (On Hold)

- Created a marketplace where real estate agents bid on commissions, allowing buyers and sellers to select the best offer.
- Tech Stack: React.js, Node.js, React Native

- Coinbase Crypto Scanner & Trading Insights System (Sold to Private Investor)

- Built an AI-powered crypto scanner analyzing 270+ trading pairs across 25+ technical indicators every 5 minutes.
- Integrated LLM-driven insights to suggest trading strategies based on market conditions & indicator mix.
- Tech Stack: OpenAI API, LangChain, Python, Node.js, React.js, Coinbase API, Telegram API