Vladimir Bichev | U.S. permanent resident (Green Card holder)

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Location: Jacksonville, Florida | Remote | Hybrid | Open for relocation

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 cashing 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](https://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 +$4mln 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](https://github.com/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
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* 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