

TAULANT DEMA

SENIOR SOFTWARE ENGINEER

CONTACT

+38349208229

taulantdema12@gmail.com

SKILLS

Event Driven Microservices
LLM and Data Pipelines
NodeJS and TypeScript
Python, Flask
C# and .NET
AWS Services (Lambda, ECS, EKS, SQS, SES)
Docker
Kubernetes
Kafka, Pulsar
Azure (Functions, Event Grid)
GraphQL
SQL/NoSQL Databases
ELK

EDUCATION

Master of Computer Science and Engineering

University for Business and Technology

2020-2022

Focused on Data Mining, Pattern Recognition, and Big Data. Key topics included:

- Data Mining and Pattern Recognition
- Big Data Analysis
- Classification and Clustering Techniques
- Neural Networks and Deep Learning

Bachelor of Computer Science and Engineering

University for Business and Technology

2020-2022

Specialized in software development and system design. Key areas of study included:

- Software Development Lifecycle
- Programming Languages (Java, Python)
- Database Management Systems
- Web Development Technologies
- Mathematics
- Electronics and Signals

WORK EXPERIENCE

Senior Software Engineer/Team Lead

Radix

Oct 2022 - Present

- **Lead engineering team** for AI powered underwriting platform, driving technical architecture decisions and product development in the multifamily real estate industry
- **Designed and architected AI document processing platform** leveraging LLMs to automatically extract, standardize, and transform rent roll and operating statement data from unstructured financial documents
- **Architected External Rent Roll API** - a serverless, customer-facing solution (AWS Lambda, SQS, S3) enabling third-party integrations with AI-powered document standardization at scale
- **Built intelligent data pipelines** transforming raw property financials into structured datasets for automated deal analysis and underwriting workflows
- **Deployed microservices ecosystem** on AWS (ECS, EKS, S3, Lambda) with containerized services and GitOps-based continuous delivery
- **Developed full-stack solutions** across Python, TypeScript, and .NET

Technologies: LLM, Python, TypeScript, SQL, Flask, Node.js, C#, Golang, Prisma, AWS (Lambda, ECS, EKS, S3, SQS, SES), Docker, Kubernetes, PostgreSQL, MongoDB, ArgoCD, GitHub Actions, CI/CD

Software Engineer

Twig

Feb 2022 - Oct 2022

- Worked on an event-driven microservices architecture using NestJS, Kafka, Redis, and AWS, ensuring the platform stayed reliable and responsive for more than **1 million** daily users.
- Built and refined the backend logic behind Twig's instant-value system, allowing users to receive instant cash for their pre-owned items through fast valuation pipelines and reliable transaction processing.
- Integrated with multiple third-party payment gateways to support secure, compliant, and real-time payout flows.
- Maintained scalable services on Kubernetes with full observability through the ELK stack, improving system reliability and operational efficiency.

Technologies: NestJs, Flask, Kafka, Kubernetes, Docker, AWS, ELK

Software Engineer

Gjirafa

Feb 2021 - Feb 2022

- Worked on the design and deployment of a scalable, **cloud-based headless CMS** using microservices, supporting projects from small websites to enterprise applications.
- Developed a robust compression API managing over 7 million assets across AWS, Azure, and GCP, optimizing storage and retrieval efficiency with backup solutions.
- Engineered adapters to integrate and publish content from various media sources (written media, newspapers, PDFs, Word documents) onto web platforms.
- Integrated comprehensive analytics capabilities, enabling data-driven decision making and performance optimization across Codex platforms.

LICENSES & CERTIFICATIONS

Microsoft Certified Azure Fundamentals

LANGUAGES

English 

- Designed and implemented edge microservice to optimize site performance, enhancing speed and reliability through innovative solutions.
- Ensured delivery of high-quality, performant code by adhering to best practices and participating actively in code reviews and architectural discussions.
- Dockerized and deployed microservices in Kubernetes environments, leveraging containerization for scalability and operational efficiency.
- Utilized Kafka as a streaming platform and ELK stack for logging and monitoring, ensuring robust data handling and operational visibility.
- Led a successful migration team, overseeing the seamless transition to a new platform, ensuring minimal disruption and maximum efficiency for Codex Technologies.

Tech stack included .NET Core 6, C#, Kafka, Kubernetes, Docker, AWS, Azure, GCP, and ELK stack.

Software Developer

Starlabs

Feb 2020 - Feb 2021

- Developed and maintained highly performant backend systems for the gaming industry using **Node.js** on AWS cloud infrastructure.
- Implemented **CI/CD** pipelines to automate deployment processes, ensuring efficient delivery of software updates and improvements.
- Integrated **Kafka** as a streaming platform to handle real-time data processing and event-driven architectures.
- Contributed to the design and architecture of scalable backend services, focusing on reliability and high availability to meet gaming industry demands.

Backend Engineer

University for Business and Technology

May 2019 - Feb 2020

- Worked on the development of a comprehensive finance system to track bills and expenses, enhancing financial transparency and efficiency within the university.
- Implemented best practices in software engineering to ensure high quality and efficiency throughout the development lifecycle.
- Utilized a tech stack including AWS for cloud services, **Node.js** for backend development, React.js for frontend interfaces, and **SQL** for database management.
- Achieved impactful results by delivering user-friendly, scalable solutions that positively impacted the university community.