

Jonathan Loscalzo

Software Engineer

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PROFILE

Proactive software developer with 10 years of experience, passionate about technological innovation, especially in Artificial Intelligence. Driven by continuous learning, adaptability to new technologies, and thriving in fast-paced environments. Seeking a position as a Software or Machine Learning Engineer, preferably in teams tackling AI challenges or integrations. Key strengths include a strong sense of ownership, commitment to technical excellence, ability to lead by example, and fostering a culture of continuous learning. Passionate about solving complex problems, building innovative solutions, and driving the next generation of Artificial Intelligence applications. Eager to contribute to cutting-edge projects in fast-paced environments.

SKILLS

Proficient in Python and Node.js for backend development, with expertise in common frameworks such as NestJS, Express, Flask, or FastAPI. Experienced in both SQL and NoSQL databases, and designing and implementing solutions for monolithic and microservices architectures. Solid understanding of frontend technologies like Angular and React. Strong background in traditional Machine Learning algorithms and Data Stack technologies, including scikit-learn, XGBoost, Keras, PyTorch, Streamlit. Capable of designing and implementing scalable, high-performance services across various programming languages. Skilled in developing, testing, debugging, and maintaining software code to high standards. Experience in distributed architectures using message brokers, such as RabbitMQ or Kinesis. Currently researching MLOps, exploring Kubernetes, and investigating frameworks and development processes related to LLMs. Committed to staying current with industry trends and emerging technologies, continuously enhancing the technology stack to deliver innovative AI-driven solutions.

Summary

Python, Node, Typescript, NestJS, Express, Flask, FastAPI. PostgreSQL, MySQL, AWS RDS, MongoDB, Redis, Docker, ECS, K8S, EKS, Terraform, RabbitMQ, Kinesis, DevOps, CI/CD, ML, LLM, Ollama, Serverless. E2E Development.

EXPERIENCE

TrueML, Software Developer - (Dec 2023 - Current)

TrueML is a mission-driven financial software company that aims to create better customer experiences for distressed borrowers.

Compliance Checker

Critical internal component that prevents from interacting with customers in non-compliant ways. Tech Stack: golang, gorm, gin, kubernetes, eks.

Heartbeat

Heartbeat is a fully automated and reactive decision engine that uses a combination of machine learning and data-driven heuristics to determine the optimal way of interacting with each individual debtor. Tech Stack: python, aws, jenkins, rds, ec2, ecs.

Noq, Software Developer - (Apr 2023 - Sept 2023)

IAMBic

[IAMbic](#) is a multi-cloud identity and access management (IAM) control plane that centralizes and simplifies cloud access and permissions. It maintains an eventually consistent, human-readable, bi-directional representation of IAM in version control.

Stack: python, tornado, docker, git, AWS IAM & Organizations, Azure AD, Okta.

Selehann, Software Developer - (Dec 2021 - Apr 2023)

NerdRabbit (Dec 2021 - Apr 2023)

NerdRabbit is the first ai-powered, unbiased hiring platform that matches cloud pros with cloud (h)opportunities now matching (h)opportunities for long-term & hourly-term projects. In my role as a Software Engineer, I was in charge of managing the E2E development of the microservices application.

Stack: Flask, MySQL, Redis, Docker, Angular, AWS: SQS, SNS, EC2, S3, ECS, LEX.

Noble1 (Mar 2021 - Jun 2022)

Noble1 is part of the Electronic and Precision Equipment Repair and Maintenance Industry. In my role as a Software Engineer, I was in charge of managing the E2E development of the monolith application.

Stack: Typescript, Angular, Nestjs, MySQL, MongoDB, Redis, AWS: SQS, SNS, EC2, S3, ECS.

Hexacta, Software Architect - (2014 - 2021)

Ngage (apr 2021 - Present)

Ngage is a platform which gathers data to build real time indicators related to online classes. It gathers information from several softwares such as Zoom, Teams, Moodle, and so on. In my role as an Architect Leader, I was in charge of leading team work and addressing the data-analytics/data-science problems that the platform needs, such as developing a ML model for inferring some indicators, solving complex formulas in near-real-time.

Stack: C#, MediatR, python, Azure ML, Docker, SignalR, React, RabbitMQ.

HAT - Hexacta Architecture Team (2019 - 2021)

Provide advice and solutions to the technical managers of Hexacta's projects in terms of architectural and design decisions, technologies and frameworks to be used, in order to improve product quality and productivity. Assigned areas were Machine Learning, Data and Backend. Additionally, I wrote posts on *Hexacta Engineering Medium*.

Cybersecurity Company - Internal Software (feb - apr 2021)

Working on an internal software that executes background jobs for security tools to find vulnerabilities. My role was Software Engineer.

Stack: Python, Django, DjangoRestFramework, PostgresDB, Docker, Celery.

Turner - Predictive Engine (mar 2019 - dic 2019)

The aim of "Predictive Scheduling Engine" was to optimize the channel broadcasting based on hard rules and predictive rules from a ML model. My role was leading a team of two developers.

Stack: Python, hypothesis testing, XGBoost, Spring Boot, Spring Data, Docker.

Hx Labs (sep 2019 – oct 2020)

Developing and Managing an online training course for the Community. Around 200 people attended. The course takes students from a small architecture based on frontend-backend separation, Ducks structure in frontend and N-Layer in backend. My role was the creation of the resources, hands-on project, presentations and managing the online course.

Tech Stack: Netcore, React, Redux, LiteDb.

Equinants (sept 2019 - oct 2019)

My tasks were to find bottlenecks and solve performance issues in PostgresDB. Also, I developed a proof of concept applying dimensional modelling & ETL process with airflow.

YPF - Revamping Extranets (jan 2018 - may 2019)

YPF is Argentina's state-owned oil and gas company. I worked on revamping an existing project in charge of management of lubricants orders for service station owners. My role was senior developer and leading a group of four people.

Stack: C#, Sharepoint, SQL, SOAP.

GSS - Grupo Sancor Seguros (2014 - 2017)

GSS is a leading Argentina insurance group offering a wide range of insurance and financial services including life, health, and property insurance. I worked on several projects as a developer on different core areas, such as: medical exams, disease process & claims, monetary and legal. Stack: C#, knockout-js

Consulting & External Projects

Liberty Lion - Full Stack & Team Leader

We built a platform for Liberty Lion, a Fuel Station organization to manage different aspects of the establishments, e.g. human-resources, notifications.

Stack: NestJS, Angular, PostgreSQL.

Aeternam Broker - Backend & Team Leader

We built an admin platform for Aeternam, with the ability of creating crypto payments and following these payments in the blockchain.

Stack: NodeJS, Angular, MongoDB, Binance API, CriptoPayments API..

Degustando - Backend & Machine Learning Developer

We built a new solution platform for Degustando (v2.0) from the beginning. Degustando is the first delivery & take-away platform for Posadas City. Leading the backend group.

Stack: MongoDB, Nodejs, React, React-Native, Python, Docker, AWS.

EDUCATION

Universidad Nacional de La Plata (UNLP) - *Licenciatura en Sistemas*

I am currently working on my dissertation, its main topic is MLOps.

Stack: Python, MLflow, Docker.

Teacher Assistant at UNLP - *Business Intelligence (2018 - Present)*

I work as a Teacher Assistant of *Business Intelligence*.

Stack: Pentaho Suite, Streamlit, Python, Machine Learning.

Language

Spanish - Native.

English - B2. Speak, read and write on Professional environments