

Aleksander Kolasinski

Torrance, CA | a.kolasinski0203@gmail.com | [LinkedIn](#)

Summary

Full stack software engineer proficient in Python, JavaScript, React, Next.js, FastAPI, PostgreSQL, and MongoDB. Experienced building REST APIs, ETL pipelines, and responsive frontends, deployed in Agile startup environments.

EDUCATION

Master of Science in Computer Science

California State University, Long Beach

August 2026 - Expected May 2027

Long Beach, CA

Bachelor of Science in Computer Science

California State University, Long Beach

August 2022 - May 2025

Long Beach, CA

- GPA: 4.0 | Summa Cum Laude | Graduated in 3 years

WORK EXPERIENCE

Software Engineer, Freelance

La Brea Law, APC

June 2026 – Present

Los Angeles, CA

- Built a responsive marketing website from Figma mockups using **Next.js**, **React**, **JavaScript** and **Tailwind CSS**
- Implemented a contact form with server-side email delivery (**Resend**) and client and server-side validation (**Zod**)
- Improved Lighthouse performance score from 65 to 92; configured SEO metadata, Open Graph tags, canonical URLs, XML sitemap, and deployed to Vercel with production security headers

Full Stack Software Engineering Intern

Atrium Energy

February 2026 – April 2026

Los Angeles, CA

- Developed and debugged production REST API endpoints using **FastAPI** and **Python**, integrating **MongoDB** to automate customer portfolio and property onboarding workflows, deployed on **AWS EC2**
- Implemented **JWT/JWKS** authentication securing backend CRM services across a microservice architecture
- Designed a time-series data pipeline connecting **MongoDB** and **TimescaleDB** to serve property analytics to a **React** frontend with configurable filtering and date range queries
- Engineered a **Python ETL** pipeline to ingest and parse hotel reservation data, applying business logic to generate daily outputs structured for **Apache Airflow DAGs**, following **Agile** development practices

Frontend Developer Intern

Famous Title, LLC

November 2023 – June 2024

Los Angeles, CA

- Delivered a client-facing website for a medical practice using **HTML**, **CSS**, and **JavaScript**, including a responsive UI and a contact form that automatically emailed patient inquiries to the doctor

PROJECTS

Habit Tracking Web App | Node.js, Express.js, PostgreSQL, TypeScript, HTML, CSS

- Built full-stack web application using **Node.js**, **Express.js** and **PostgreSQL** to manage daily habit tracking with persistent data storage
- Designed **RESTful API** with CRUD operations and implemented relational database schema
- Created responsive frontend using **React / TypeScript** featuring modular architecture and asynchronous data fetching

Smoking Image Classification | Python, TensorFlow, MobileNetV2, scikit-learn, NumPy, pandas

- Built a deep learning pipeline using custom **CNNs** and **MobileNetV2** transfer learning to detect smoking behavior
- Improved performance through data augmentation, regularization, and ensemble modeling
- Achieved a test accuracy of 88% with high recall through ensemble modeling and performance optimization using precision-recall metrics and ROC analysis

TECHNICAL SKILLS

Languages | Python, JavaScript, TypeScript, C++, C, Ruby, HTML, CSS, SQL

Frameworks & Libraries | React, Node.js, Express.js, FastAPI, Next.js, Tailwind CSS, TensorFlow, pandas, Matplotlib

Database | PostgreSQL, SQLite, MongoDB, Firebase, TimescaleDB

Developer Tools | Git, GitHub, VSCode, Docker, Linux, AWS, Vercel, Trello