

# GABRIELA LEVIT

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## KEY EXPERTISE

Senior software engineer experienced in designing and implementing data-intensive applications and APIs. Excellent communicator who can present to technical, business, and consumer audiences. Proficient in content creation for workshops and presentations.

- Bilingual: Native fluency in Spanish and English
- Past conference speaker

## SKILLS

**Programming Languages:** Python, C#, JavaScript, HTML5, CSS3

**Content Creation:** Technical assessments, Test design, workshop facilitation, PowerPoint presentations

**Data Analysis:** pandas, Jupyter notebooks

**Databases:** PostgreSQL, SQL Server, MongoDB, MySQL, Oracle

**Cloud Platforms:** AWS (S3, EC2, Lambda, DynamoDB, CloudWatch)

**API Frameworks:** FastAPI, Flask, Swagger OpenAPI Documentation

**Testing Frameworks:** Pytest, Unittest, NUnit

**Version Control:** Git, GitHub, BitBucket

**Email Marketing:** Constant Contact, Survey Monkey

## PROFESSIONAL EXPERIENCE

### Moody's Corporation

**Moody's Analytics — Assistant Director, Senior Software Engineer** — February 2022 – April 2024

Application development of financial risk applications that provide banks, insurers, and corporations risk assessment, reporting, portfolio monitoring, early warning, ESG-related risks, and scenario analysis for the full credit lifecycle.

- Created and enhanced multiple Python API services that rank financial models and provide both point-in-time and historical data for more than 400 million entities.
- Used Python pandas to categorize entities and assign them to financial models.

**Moody's Investors Service — Senior Software Engineer** — July 2019 – February 2022

Designed and developed a Python REST API service to generate quantitative models and scorecards for credit rating applications, including ESG factors.

- Implemented features allowing users to quickly run simulations of multiple scenarios.
- Developed a Microservices architecture that allows quick onboarding of additional financial models as needed.
- Presented the new services and Microservices architecture to senior management and other stakeholders.
- Actively participated in a committee to improve Agile development practices and enhance team productivity.

**Moody's Investors Service — Software Development Consultant** — December 2018 – July 2019

Developed REST API services that aggregated and delivered data from multiple sources, enhancing a credit analysis dashboard application.

- Authored API documentation using Swagger OpenAPI, facilitating smoother integrations, updates, and maintainability of API services.
- Presented the new services to senior management, financial analysts, and other stakeholders, explaining their benefits and implementation.

**Dialogic Corporation — Software Developer** — October 2017 to October 2018

Development on multiple cloud-based telecommunications applications for hosted PBX, VoIP, voicemail, and video conferencing services.

- Added functionality to view detailed phone call logs, enabling system administrators to troubleshoot issues faster and reduce downtime.
- Developed interactive dashboards with embedded Grafana charts, for more efficient system monitoring and operational oversight.
- Planned and implemented multilingual support for a video conferencing application, increasing product accessibility.

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## PROFESSIONAL EXPERIENCE - CONTINUED

### **Independent Consultant** — April 2016 to October 2017

Developed technical assessments and executed scalable solutions for clients across multiple industries.

- Created online JavaScript programming test.
- Performed a technical review and update of TypeScript test.
- Developed an ETL application that automated loading external financial data from multiple third-party sources into MongoDB databases for a capital market directory application, significantly enhancing data accessibility.

### **YipTV, Inc. — Web Applications Developer** — September 2015 to March 2016

Led the design and development of a single-page application for a startup Over-The-Top streaming service, featuring dynamic content delivery tailored to user-specific factors such as language, subscription type, and referrer URL.

- Maintained production applications responsible for the maintenance of TV channel data and electronic program guide (EPG) information, ensuring high reliability and up-to-date content availability for subscribers.
- Collaborated with cross-functional teams including marketing, quality assurance (QA), and operations to effectively integrate and launch new service features and marketing campaigns.
- Reviewed marketing content for the company blog in both English and Spanish.

### **Jacaranda Technologies, LLC — Founder** — May 2008 to September 2015

Founded and grew a web development and SEO consulting service providing scalable solutions across diverse industries.

- Developed user-focused, cross-browser compatible websites using Bootstrap, SASS, and LESS to enhance client digital visibility and boost engagement.
- Set up advanced security on all client websites to protect against cybersecurity risks.
- Oversaw external vendors for timely web development and online marketing services, ensuring client satisfaction.
- Conducted workshops at technical conferences and professional groups.
- Grew the client base through SEO optimization, business group presentations, and trade show booths.

## VOLUNTEER EXPERIENCE

### **Amateur Astronomers Association, Inc. — Volunteer** — April 2020 to Present

Manage email marketing campaigns promoting remote telescope lectures, demos, and other activities. Conducted research polls to determine member interest in a new remote telescope, telescope specifications, and membership cost

### **New Jersey Astronomical Association — Board of Governors Officer** — May 2018 to Present

Educate the public about Astronomy through stargazing events and astrophotography. Handle association correspondence and formal notifications and respond to website queries.

### **What's Your Impact — Volunteer Software Engineer** — April 2016 to October 2016

Developed a web application for an environmental organization enabling users to monitor sustainable actions.

- Designed flexible REST API microservices-based architecture for improved scalability and quicker deployment
- Designed Mongoose database schema for storing email content, contacts, notifications, and actions data
- Created service for sending emails through the Elastic Email service to grow user participation

### **Zufall Health Center — Volunteer Web Developer** — June 2013 to Aug 2015

Created and maintained the web site for "Good as New", a thrift shop run by the Zufall Health Center.

## EDUCATION AND CERTIFICATIONS

### **Bachelor of Science in Computer Science with Honors — Kean University**

- Received Certificate of Academic Distinction for Outstanding Academic Achievement
- Dean's List

edX Verified Certificate for Introduction to MongoDB using the MEAN Stack.

Private Pilot (Airplane Single-Engine Land rating) — 300 hours total flight time.