

Sabrina Ketel

SOFTWARE ENGINEER

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About

Full-stack software engineer with 3+ years professional experience building scalable web applications in Python and Django. Experienced in developing backend-heavy systems while collaborating closely with stakeholders to ship user-centered features. Brings a strong background in project management, client collaboration, and translating real-world requirements into reliable, maintainable software.

Skills

- Languages - Python, JavaScript
- Frameworks & Libraries - Django, Bootstrap, HTML, CSS, Streamlit
- Data & APIs: Pandas, NumPy, Polars, Plotly, OpenAI API
- Databases - PostgreSQL
- Developer Tools - Git, GitHub, Docker
- Cloud - AWS (Lambda, S3, EC2, RDS), GCP (Run, Storage, Scheduler, Deploy)
- Prior Experience - MATLAB, Java, C++, React, Node.js, Express
- Musician, producer and head of Feminist Synth Lab, a synthesizer lending library for marginalized folx

Research

Ketel, S.; Falzone, G.; Wang, B.; Washburn, N.; Sant, G. A printability index for linking slurry rheology to the geometrical attributes of 3D-printed components. *Cem. Concr. Compos.* 2018.

Experience

Zero Envy (2023-NOW)

SOFTWARE ENGINEER

- Built and maintained full-stack web applications supporting data-driven reporting and dashboards (Python, Django, JavaScript, HTML/CSS, PostgreSQL)
- Built and deployed cloud-based data services for analytics and reporting (Python, AWS, GCP)
- Delivered end-to-end software solutions for third-party clients, including web and cross-platform desktop applications (Python, Streamlit, Tkinter)
- Worked directly with stakeholders to translate product requirements into scalable, maintainable software

Stock Price Manipulation Analysis Tool (2023-2024)
(Confidential)

DEVELOPER

- Developed analytical software to process SEC filings and news data (Python, Pandas)
- Integrated LLM to assist with legal theory exploration and pattern analysis (OpenAI API)

NFT Community Space (Confidential) (DEC 2022)

INTERN (BACKEND)

- Designed and implemented backend data models and RESTful APIs (Python, Django)

John A. Martin & Associates, DLR Group (2013-2022)

SENIOR PROJECT ENGINEER

- Led analysis and design of structural systems for commercial and government projects, meeting safety, regulatory, and performance constraints
- Collaborated with multidisciplinary teams to deliver complex technical projects from concept through construction

Education

THE ODIN PROJECT (2022-2023)

Full Stack Web Development Bootcamp

UCLA (2016-2017)

M.S. Structural/Earthquake Engineering

UCLA (2010-2014)

B.S. Civil Engineering