Joshua Conklin

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EXPERIENCE

Software Engineer   *San Jose, CA*
Bravoball   *July 2024 - Present*

- Implemented scalable **query systems** using **FastAPI** and **AWS RDS**, integrated into **PostgreSQL** for data orchestration of user data and **100+ JSON drill data**, reducing page load time by **30%**.
- Facilitated **troubleshooting** across **Swift** and **Python** codebases with multiple **REST APIs**, resulting in a **35%** reduction in crash reports and providing quality assurance across multiple **iOS** platforms.
- Establishing end-to-end **CI/CD pipelines** using **Git** and feature planning with an agile team using **Miro** and **Plane**, tracking development life cycle and streamlining deployment times by **40%**.
- Created **Javascript** website to conduct data analysis on user trends for future enhancements on existing **software architecture**.
- Developing a **machine learning** model using **Scikit-learn** for chatbot that recommends user-specific drills.

Co-Founder and Software Developer   *Fremont, CA*
ConklinOfficial   *March 2024 - Present*

- Launched interactive **KPI dashboard** using **Python** and **Pandas** to track social media campaign performance; increased audience engagement by **35%** through data-driven content strategy.
- Designed product analytics flow to monitor performance of over **3,000 posts**, leveraging **Python** to visualize performance data.
- Delivered educational videos to **400,000+ followers** across **Instagram** and **TikTok** created with Capcut, aligning with brand narrative and boosting retention by **20%**.

Web Development Instructor   *San Jose, CA*
Tech Tykes   *December 2024 - April 2025*

- Designed and delivered curriculum on **HTML**, **CSS**, and **JavaScript** to **20+ students**, improving student project quality by **40%** through real-world product examples.
- Collaborated with curriculum leads in **Slack** and **Notion** to implement instructional changes based on **user feedback**.
- Applied **storytelling techniques** to simplify complex technical concepts, enhancing product education and student experience.

PROJECTS

Nowtify

- Built a full-stack app using **React** and **Java**, implementing **OAuth 2.0** and **JWT Auth** for a **40%** increase in data security.
- Designed and deployed **MySQL** schema and **REST APIs** to manage user data, improved onboarding completion rate by **50%**.
- Conducted user testing sessions with **Postman** and iterated **UX/UI** based on feedback, increasing feature adoption by **35%**.

Programming Language Mentions Storyboard

- Boosted job search efficiency by **25%** by identifying high-demand programming languages for aspiring data professionals.
- Engineered **SQL** queries on **Azure** to optimize language mentions data, delivering insights through **data storytelling** in **Tableau**.

Consumer Behavior Qualtrics Survey
SJSU

- Collaborated with a team of four to conduct a **Qualtrics** survey, Utilized **R** and **Excel** to create bar graphs and analysis reports.
- Aided in helping a class of **40+** people understand the effect of influencer marketing on consumer purchasing behavior.

SKILLS

Full Stack Development: Python, Swift, SQLAlchemy, Java, FastAPI, PostgreSQL, C++, Flask, JavaScript, Linux, React, Git
Developer Tools: Heroku, Tableau, Postman, Git, Cursor, Plane, Miro, IDE
Engineering foundations: Version control, test automation, data structures, performance engineering, object-oriented design, mathematics, relational databases, managing ambiguity

EDUCATION

San Jose State University (SJSU)   **December 2024**
Business Administration / Marketing — Bachelor of Science (BS)
Relevant Coursework: Fundamentals of Business Analytics, Marketing Research with R programming, Business Systems, Intro to Computers and Info Tech, Comp Tools for Business, Intro to Statistics