

JACOB VALLERY

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Summary -

Resourceful and detail-oriented Software and Data Engineer with a strong foundation in full-stack development, data pipelines, and software architecture. Recently earned a Bachelor of Science degree in Software and Data Engineering building on years of creative, hands-on experience in problem solving, technical craftsmanship, and collaborative project execution. Adept at bridging practical creativity with analytical rigor to design scalable, user-centric solutions. Passionate about continuous learning, clean code, and delivering impactful, real-world software.

Skills

Programming Languages: Java, JavaScript, Python, SQL, C++.

Web Development: HTML, CSS, React, NODE.js, REST APIs.

Databases: SQL, MongoDB, NoSQL.

Cloud Platforms: Azure, Google Cloud Platforms.

DevOps Tools: Git, Docker, CI/CD pipelines.

Version Control: Git, GitHub, GitLab.

Testing: Unit testing, integration testing, PyTest.

Data Analysis: NumPy, Pandas, Matplotlib, Excel

Data Visualization: Seaborn

Data Warehousing: Google BigQuery.

SQL Proficiency: Writing complex Queries, joins, CTEs, optimization.

Software Engineering Practices: Agile and Scrum Methodologies, Object-Oriented Programming (OOP), Clean Code and Design Patterns, Software Development Life Cycle (SDLC), Code Review.

Experience -

Custom Wig Company | Louisville, KY

Lead Build | Wig Artisan

05/2017- Current

- Coordinated and executed complex orders for many clients.
- Managed and mentored new hires, ensuring a smooth onboarding and integration to the team.
- Fostering clear and effective communication with both clients and internal teammates.
- Applied a creative and analytical approach to strategic problem solving.
- Leveraged design expertise to deliver innovative solutions that met client objectives.

University of Louisville | Louisville, KY

Theatre Department Sticher | Buyer

08/2016 - 05/2018

- Collaborated with designers, directors, and technicians to deliver creative solutions under tight deadlines.
- Balanced multiple build projects, repairs, and purchases with efficiency and attention to detail.
- Fostered technical precision, applying exact measurements with construction methods.
- Design interpretation, translating creative concepts into tangible products.
- Identified and implemented efficient stitching or sourcing methods to meet production timelines.
- Strengthened adaptability, solving last-minute issues with limited resources,

Education -

Bellarmino University | Louisville, KY
**Bachelor of Science in Software and Data
Engineering** | 05/2025

University of Louisville | Louisville, KY
Bachelor of Science in Theatre Arts |
06/2018