

# Pranavnath Dommata

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## EXPERIENCE

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### Qualtrics

2020 – Present

#### Senior Software Engineer

- Played a crucial role in building an orchestrated workflow with Amazon SWF to move customer data for 175+ clients into a federally certified StateRAMP environment for compliance purposes, realizing more than \$10M in retainers. As a senior engineer on the team, I took ownership of some critical aspects, such as the automated recovery cycle, failure alerting system, and workflows to send external signals. (Java, AWS SWF, MongoDB)
- Assumed lead role for migrating a legacy data integration system to a scalable, distributed cloud architecture. Collaborated with cross-functional stakeholders to develop a strategic 'North Star' document to achieve cost reduction and rapid scalability objectives. (Data pipelines, distributed systems, Cloud)

#### Software Engineer II

- Engineered a self-serving, multi-tenant application integrating Qualtrics with Learning Management Systems (LMS) like Canvas and Moodle, significantly boosting tool adoption in the education sector. Mastered the LTI 1.3 authentication protocol (built on OAuth 2.0) to meet application requirements. Spearheaded a pilot program, successfully onboarding 10+ initial clients, and trained support staff who later facilitated onboarding for 100+ additional clients. (NodeJS, EJS, MongoDB)
- Enhanced a Python-based workflow originally designed for a limited number of clients to accommodate over 1,000 customers. Utilized advanced programming techniques, including multi-processing, multi-threading, and pickling, to optimize efficiency. (Python Advanced Concepts, memory profiler, APIs)

#### Accomplishments:

- Optimized the aforementioned Python-based workflow to support Covid Solutions for large customer groups, scaling it to become a critical service that generated over \$50 million in revenue during Q4 2021 alone.
- Served on the design review committee while simultaneously mentoring two interns and three new hires, fostering technical excellence and professional development within the team.
- Recognized as the Subject Matter Expert (SME) for cloud-related issues, successfully resolving complex tickets and providing critical support across the organization.

### Ubiquiti Networks

2018 – 2020

#### Software Engineer

- Contributed to developing a cloud-based software solution for remote network device connectivity and management.
- Implemented critical features for the company's new product line, which required proficiency in advanced networking concepts such as VPN, DHCP Server, and Firewall. (Java, Spring, Angular, MongoDB)
- Initiated and completed the development of a captive portal for configuring devices with factory settings.

#### Accomplishment:

- Implemented customer-driven improvements, resulting in an 8% reduction in support tickets and enhanced customer satisfaction.

### Frontline Consulting Services

2014 – 2016

#### Associate Software Engineer

- Gained solid knowledge of Data Warehousing basics and data modeling techniques, along with hands-on experience using ETL (Extraction, Transformation, and Loading) tools like Informatica and Oracle Data Integrator (ODI). Contributed to important data processing and management projects, focusing on the ETL side. This experience helped me handle complex data workflows better and deliver effective data solutions in a fast-paced environment.

#### Accomplishment:

- Developed a data lineage tool that enables quick tracking of attribute sources in the Data Warehouse, significantly reducing troubleshooting time for data mismatch issues by 30%.

## EDUCATION

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**University of Utah** Master Degree Computer Science (GPA: 3.72)

**2016 – 2018**

- **Relevant Coursework:** Advanced Database Systems, Machine Learning(ML), Natural Language Processing(NLP), Advanced Operating Systems, Data Visualization, Advanced Algorithms.

**Osmania University(India)** Bachelor Degree Electronics and Communications Eng. (GPA: 3.69)

**2010 – 2014**

## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript, TypeScript, C, C++

**Technologies:** HTML, CSS, Git, MongoDB, PostgreSQL, SQL, Docker, Terraform, AWS, Authentication Protocols (OAuth 2.0, LTI 1.3), REST API