

# Pranav Dommata

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## TECHNICAL SKILLS

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- **Languages:** Python, Java, JavaScript, TypeScript, C, C++
- **Technologies:** HTML, CSS, MongoDB, PostgreSQL, SQL, Git, Docker, Terraform, AWS

## EXPERIENCE

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### • Qualtrics - Sr. Software Engineer

Dallas, TX - Remote

Since Dec 2022

- **Engineering Services:** Part of in-house engineering specialists who work on building out solutions that are tailored to fit the requirements of the client by supporting features that go beyond the capabilities of the Qualtrics platform. (*Containerized Micro-services, Python, JavaScript, AWS*)
- Worked as part of a team that developed an orchestration service, incorporating key features. This service has been successfully adopted company-wide by 200 teams, enabling the smooth migration of their services across the data centers. As a member of the team, I took ownership of critical aspects such as failure notification alerting, recovery cycle management, and signaling workflows. (*Java, AWS SWF, MongoDB*)
- Developed a self-serving multi-tenant application to seamlessly integrate Qualtrics with Learning Management Systems(LMS) like Canvas or Moodle that increased the adoption of the tool in the education domain significantly. Implemented the integration protocol LTI 1.3 which is built on top of OAuth 2.0. (*NodeJS, EJS, MongoDB*)
- Trained support engineers and equipped them with the resources required to onboard clients to use the LTI integration tool.

### • Qualtrics - Software Engineer II

Provo, UT

Feb 2020 - Nov 2022

- Scaled up a workflow built in Python which was originally designed for a few clients to serve more than 1000 customers. Used advanced language capabilities like multi-processing, multi-threading, and pickling for achieving efficiency. (*Python Advanced Concepts, mprof - memory profiler, APIs*)
- Supported over 200 brands with their Covid testing and vaccination programs by building one-of-a-kind solutions for catering to the needs of the clients. Worked in *Go Lang* for the solution automation, extensively used *AWS* for building out custom solutions. (*API Gateway, Lambdas, Secret Manager*)
- Worked on adding a new feature for XM Mobile App which is built in *React Native* to ensure better UX. Added a new component to support the in-app web view of the hyperlinks that appear in the mobile dashboards. (*React Native, Deep linking*)
- Built a customer-facing web service to allow file transfers to the company's SFTP server through a secure web page which decreased the onboarding time for new clients by at least 24 hours. (*React, Python*)

### • Ubiquiti Networks - Software Engineer

Draper, UT

June 2018 - Feb 2020

- **Unifi Team:** Our team owned a cloud-based software solution to connect and manage network devices from anywhere.
- Integrated features related to core networking concepts like VPN, DHCP Server, and Firewall into the software for the company's new product line. (*Java, Spring, Angular, MongoDB*)
- Initiated and completed building a captive portal to configure the device in the factory settings. (*Firewall*)

### • Pacific Northwest National Lab - Intern

Richland, WA

May 2017 - August 2017

- **Visual Analytics domain:** Built user interfaces for the climate scientists and the cyber defenders at the lab to help them see the patterns in the data and make the right decisions. (*ReactJS, NodeJS and Python*)
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- Built back-end code for a React SPA(Single Page Application) to be able to scale it to analyze large datasets with a decent user experience. (ExpressJS, MongoDB)

- **FCS Inc. (A TEKsystems division) - Software Engineer**

Hyderabad, India

May 2014 - July 2016

- Gained strong knowledge of fundamentals of Data Warehousing and data modeling methodologies.
- Hands-on experience with ETL(Extraction, Transformation, and Loading) tools like Informatica and Oracle Data Integrator(ODI) .
- Worked on critical projects for clients like GE and JDSU on the ETL end of the Data processing and management.

## EDUCATION

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- **University of Utah**

Salt Lake City, UT

Master of Science in Computer Science; GPA: 3.72

Aug. 2016 - May. 2018

- **Research Assistant** in the Scientific Computing and Imaging Institute.
- **Teaching Assistant** for Data Visualization class CS-5630 / CS-6630.
- **Relevant Coursework**
  - Visualization, Data Mining, Machine Learning, Natural Language Processing, Advanced Database Systems, Operating Systems, Advanced Algorithms, Computer Architecture.
- **Awards and Projects**
  - Grad School Finder: Built a web page for effectively visualizing the graduate schools' data to help any individual short list the universities based on his/her interests. (*JavaScript, D3.js, HTML and CSS*)
  - Information Extraction(IE) System: Developed the system from scratch using the different NLP techniques to extract several types of information. Came in the **top 3 among 40 teams** in poster presentation for this project. ( *Python, Spacy, Stanford CoreNLP* )

- **Osmania University**

Hyderabad, India

Bachelor of Engineering in Electronics and Communication; GPA: 3.69

Aug. 2010 - May. 2014

## KEY ACCOMPLISHMENTS

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- **Impact:** Scaled up a service that was a critical piece in enabling Covid Solutions for large customer groups which generated a revenue of over **50 Million USD** for the company just in Q4 of 2021.
  - **Ratings:** Was awarded **Exceeds Expectation** for the past two consecutive rating cycles and got promoted as a Senior Software Engineer at the end of the last year, 2022.
  - **Team Contributions:** Mentored an Intern in the summer of 2022 who built out an MVP for a scheduling solution that is going to be used company-wide and even externally going forward.
  - **Company Wide Contributions:** Being part of the **Software Design Review Committee**, I mentored junior engineers in building solid software designs. Trusted technical interviewer for **hiring L3/L4 level engineers** across the company.
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