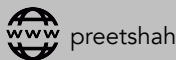# Preet Shah

3+ years of Software experience through full time work, internships, and side projects.

Seeking advanced opportunities in Software Industry at a company where there are commitments towards personal growth, innovation, technical challenges, and success.

🌐 preetshah

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📞 (403) - 926- 3099

in Preet-Shah

⬡ Preet-Shah

Relevant Skills

Languages:
Python, PHP, JavaScript, Java, C++, Go, SQL, HTML5, CSS3

Frameworks:
React, Zend, AngularJS, Django, Hadoop, Flask, Bootstrap

Tools and Databases:
AWS, GCP, MySQL, TypeORM, Firebase, Hive, GraphQL, Tableau, Looker, Redis, Github, Linux, Postman, Docker

Education

University Of Waterloo
Bachelor of Applied Science, Mechanical Engineering
Graduated: April 2021
GPA: 3.7/4

Relevant Courses
University of Waterloo: ECE 406 - Algorithm Design and Analysis

Harvard University: CS50 - Introduction to Computer Science

Udemy: Data Structures and Algorithms

Relevant Work Experience

Konrad Group   July 2021 - Present
Associate Full-Stack Software Engineer
JavaScript, React, MySQL, GraphQL, NodeJS, TypeORM, Redux, AWS

- **Improved scalability of internal PTO app** by redesigning backend architecture, developing **new API endpoints**, and **building pipelines** to migrate historical data
- **Sped up PTO API responses by 30%** through the integration of updated algorithms and logic for PTO calculations into **new GraphQL schemas and queries**
- **Increased reliability**, and **improved user experience**, of onboarding application by **implementing picture upload feature** and utilizing **AWS S3** to store and retrieve data
- **Coordinated with a team of 8 software engineers** to build **20+ new features**, **10+ new pages**, and **40+ new Rest API endpoints** for a Deloitte internal document viewing and management application
- **Efficiently utilized redux state stores** and management system, for Deloitte project, to ensure **reliability** of website and improve **scalability** as more complex features are added
- **Optimized caching on frontend** to allow previously loaded reports to be viewed **2x faster**

reebee   Sept 2020 - Dec 2020
Backend Software Engineer Intern
PHP, Python, Docker, AWS, Postman, MySQL

- **Redesigned backend login and authorization system** to allow Google OAuth contractor stakeholders to populate data from database in Sheets
- **Decreased latency of flyer responses by 25%** by caching data returned from API responses to **AWS Memcached**
- **Increased API response capacity by 2x** through the refactoring of **NGINX buffer size** configuration and limits
- **Improved scalability and search performance by 10%** through the implementation of new logic that efficiently groups items into categories within **MySQL database**

Wayfair LLC   Jan 2020 - Apr 2020
Data Engineer Intern
Python, Hadoop, BigQuery, Vertica, MySQL, Looker

- **Constructed ETL pipelines to transfer data from Vertica to BigQuery**, improving speed of data transfer and filtering of excess data
- **Improved the accuracy of attribution** through the optimization of backend logic based on new attribution models provided by **Data Science team**
- **Sped up failure detection by 40%** through a **Python application** that triggers email and slack alerts to engineers when a cronjob fails
- **Quickened analytics processing by 45%** by utilizing **MapReduce** functions to **distribute data among multiple nodes**

Featured Projects

Online Multiplayer Card Game   🌐 *Link to Game*
JavaScript, React, Firebase

- Built a web based version of the highly popular card game Coup
- **60+ active users**, spanning 5 countries, with over **100 games played**
- **Implemented caching feature using React Hooks to decrease latency** for in-game transactions such as card updating
- **Automated scalability** of platform by **distributing load to four Firebase instances** while maintaining performance
- **Developed multithreaded algorithm** for complex state changes, focusing on reliability, speed, and overall user experience

Wheelchair Power Reading Dashboard - Capstone Project
Python, Node.js, JavaScript, React, AWS S3

- Devised in-direct method to **collect, process, and display power inputs to a wheelchair** for performance measuring by Olympic Athletes
- **Built React application dashboard** to present data, using **Node.js for backend API development**
- **Created Python scripts** to process and upload data to **AWS S3 database**
- Integrated **caching system to decrease latency** when viewing older data