Shardool Patel

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EXPERIENCE

Palantir Technologies
June 2021 – Present

Software Engineer - Apollo
New York, NY

- Developed backend services and owned projects delivering critical user facing workflows for the continuous delivery and environment management platform - Apollo
- Spearheaded architectural overhaul to improve latency within the platform. Reduced declared state propagation latency by **90%** and reported state indexing latency by **84%**. Helped mentor another engineer and scoped work for them to deliver rapid improvements.
- Implemented a Webhooks framework in Apollo, collaborating with the compliance team to pilot a webhook consumer. Reduced the operational burden of the team by **65%.**
- Led the architectural design and implementation efforts for 3 micro-services, each delivering a new feature for the platform. Mentored two new hires with design and implementation of core feature work.

Loadlink Technologies
June 2020 – Aug 2020

Software Engineering Intern
Remote

- Owned the redesign and implementation of the core market-data visualization platform for **18k+** customers.
- Implemented a client-side caching strategy and lazy loaded modules, improving load times by **30%**. (*Angular*)

ArcelorMittal
May 2019 – April 2020

Software Engineering Intern
Canada

- Applied Object oriented design to build REST APIs and UI features for sales platforms. (*Java*, *Angular*).
- Wrote Jenkins Pipeline library for **30**+ applications, reducing configuration time by **99%** and maintenance by **87%**.
- Created common libraries as NuGet packages and deployed to Azure Artifacts improving developer productivity by **90%**. (*.NET, SQL*)

Autonomous Robotic and Vehicle Innovations
Nov. 2018 – May 2019

Software Engineer
McMaster University

- Led obstacle detection sub-team to implement modules for parsing raw sensor (LIDAR & radar) data.
- Implemented pub/sub topics with (ROS) nodes for on-campus accessibility autonomous vehicle. (*Python*)

TECHNICAL SKILLS

Languages: Java, Python, C#, Golang, Javascript/HTML/CSS, TypeScript, SQL, NoSQL, GraphQL, Bash
Frameworks and Libraries: React.js, Jest, Angular, Node.js, SpringBoot, Hibernate, Kafka, pandas, scikit-learn
Tools: Git, Jenkins, GCP, AWS, JIRA/Azure DevOps, Webpack, Unix, Docker, Kubernetes

PROJECTS & LEADERSHIP

Workshops Lead - Developer Student Club | *K8s, Google Cloud*
Feb. 2018 – Apr. 2018

- Organized **5** technical workshops with **150**+ combined attendees for the fall 2020 term.

PanPal - MedHack Winner | *Python, scikit-learn, GCP Prediction platform*
Sept. 2020

- Spearheaded the implementation of a spectral clustering model to assign COVID-19 patients into support groups based on patients' medical records.
- Won **2nd** place at MedHacks (**1000**+ participant Hackathon), based on technical complexity and social impact of the project.

DriveSafe | *Java, Google Maps API, Multi-Threading*
Feb. 2018 – Apr. 2018

- Implemented geo-encoding and hashing to allow **O(log N)** lookup for nearby road in dataset.
- Developed a modified Dijkstra's algorithm to find the shortest and safest routes from **1 Million**+ data points in under **1s.**

EDUCATION

McMaster University
Graduated April 2021

BEng Software Engineering & Embedded Systems - *3.9 GPA*
Canada

- **Teaching Assistant** for Software Project Management (3XA3)
- Dean's Honor List 2017, '18, '19
- Mac AI Member