

SHREY PATEL

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SKILLS

Languages: Python, C/C++, JavaScript, Ruby, Java, C#, Kotlin, Scala, SQL

Technologies: React, Angular, Vue, Node.js, Express.js, Ruby on Rails, REST API, GraphQL, MongoDB, MySQL, PostgreSQL, Docker, Kubernetes, AWS, GCP, Airflow, Hadoop, Spark, Datadog, gRPC

EXPERIENCE

Census (backed by a16z, Sequoia) | *Software Engineer Intern — Ruby & Vue* May 2023 – Dec 2023

- Collaborated with clients to deliver full-stack features for a SaaS platform used by 100+ businesses, including Notion and Figma, and built API integrations for data transfers to 25+ platforms, such as TikTok, Amazon, and Slack
- Developed a custom connector enabling seamless no-code integrations, granting users the freedom to effortlessly connect their data to any desired product using HTTP protocols, resulting in 200+ successful integrations
- Created a syncing feature that enables customers to upload audiences to 8+ advertising platforms with just one-click
- Won 1st in a Hackathon by creating a Machine Learning tool that scores potential buyers based on their actions

GTS Securities | *Software Engineer Intern — Python & C++* Jan 2023 – Apr 2023

- Developed and back tested a proprietary trading strategy using C++, analyzing historical market data to construct an accurate order book, identify actionable signals, execute trades, and manage P&L effectively
- Built Python/Airflow ETL pipelines for the firm's financial data, enabling quantitative analysis of positions, profits, and risk
- Automated reconciliation of firm's portfolio with investment banks, identifying and correcting \$500K+ in inconsistencies

Tesla | *Software Engineer Intern — C# & Angular* May 2022 – Aug 2022

- Led a backend project to synchronize invoices across distributed systems, eliminating 100% of untracked supplier invoices
- Developed dashboards that simplified tracking, reduced mistakes, and accelerated invoice matching for the business

Achievers | *Software Engineer Intern — Python & React* Jan 2022 – Apr 2022

- Engineered a shift from monolithic to microservices infrastructure, slashing system latency by a notable 50%
- Implemented domain-specific error alerts to improve observability on a GraphQL gateway receiving 1M+ requests/day
- Cut microservices' deployment and testing times by 95% through the adoption of multi-stage Docker builds

TD Bank | *Software Engineer Intern — Java & JavaScript* May 2021 – Aug 2021

- Worked cross-functionally with finance, design, & management teams to develop features for a financial reporting tool

Virtual Robotics Academy | *Software Engineer — Python & React* May 2021 – Jan 2022

- Built a full-stack web app teaching over 5000 students programming and robotics using AWS, Python and React

NCR Corporation | *Software Engineering Intern — Java* May 2020 – Aug 2020

- Enhanced a check imaging application's performance by identifying bottlenecks and optimizing through benchmarking
- Placed Top 5 out of 500 in a hackathon by developing an application for virtual queuing at restaurants and stores

EDUCATION

University of Waterloo, Bachelor of Computer Science with Co-op April 2024

Courses: Distributed Computing (Java & Scala), Numerical Computation (Python), Object-Oriented Programming (C++)

PROJECTS

Individual Projects | *Java, Python, Scala, Hadoop, Spark, MapReduce, linux*

- Implemented personalized page rank algorithms to search and rank documents based on key terms
- Implemented ML algorithms to identify spam emails, leveraging ensemble voting methods to enhance precision
- Created data analysis pipelines to ingest, process, and analyze NYC's Taxi data in real time using Apache Spark Streaming

Lyft | *JavaScript, Mongodb, Node, Express, Bootstrap, Rest-API*

- Created a full-stack web app that allows community members to easily rate and review local fitness gyms