Saksham Sharma

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SKILLS

Languages: Python, Typescript, Javascript, C/C++, Java, Kotlin, Go, Racket, R, Git, Bash Scripting
Frameworks: React (Native, Recoil, Redux, Next.js), Vue, Angular, SvelteKit, Node.js, Express, Django, Flask
Infrastructure/DB: Docker, Kubernetes, Terraform, Jenkins, GitLab CI/CD, PostgreSQL, MySQL, MongoDB, Redis
Managed Services: AWS (EC2, S3, Lambda, DynamoDB, CloudFront), GCP, Firebase, Auth0, Stripe, Supabase
AI/ML: TensorFlow, PyTorch, Scikit-learn, Keras, Azure (ML, VMs)
Misc: Microsoft recognized Office Specialist, WordPress, Elementor

EDUCATION

University of Waterloo (Distinction)   Sept. 2020 – Apr 2025
Bachelors in Computer Science (Hons, co-op), AI Specialization, Entrepreneurship Minor   *Waterloo, ON*

Achievements

President's scholarship of distinction, Excellent Academic Standing, Outstanding employer reviews

Relevant Coursework

Data structures, Algorithms, Operating Systems, AI, ML, Neural Networks, Privacy

EXPERIENCE

Conversance Inc.   Sept 2023 – Present
Full Stack Software Developer (Permanent Full-time + 3 x co-op + 2 x part-time)   *Waterloo, ON*
- Architected and developed a marketplace with a **performant NextJS storefront** and utilized Medusa commerce modules successfully connecting **1000+ buyer and seller organizations**
- **Led the development of a SaaS CRM** for a mercantile exchange, enabling seamless customization and powerful data visualization, resulting in an **increase in broker productivity and client satisfaction**

Enlighted   Jan 2023 – Apr 2023
Full Stack Software Developer (1 x co-op)   *Waterloo, ON*
- Developed a scalable **Vite-React** application, managing real-time location services, which **increased tracking accuracy by 50% and operational efficiency by 40%**
- Engineered **Terraform scripts to configure and manage AWS services (S3, CloudFront, Lambdas, DynamoDB)** for automated infrastructure management

Questrade   May 2022 – Aug 2022
Backend Developer (1 x co-op)   *Toronto, ON*
- Developed **multi-threaded Flask application** to manage deployment of **1000+ developer packages**, supporting development and release engineering teams
- Implemented cloud storage solutions, **reducing load on Docker containers and improving server uptime**, by securely integrating and managing data and log storage for the team

Social and Intelligent Robotics Research laboratory   Sept 2021 – Dec 2021
Software Engineer (1 x co-op)   *Waterloo, ON*
- Architected and developed **behavior and action flows using Kotlin** for a social robot, aiding ongoing research by computing meaningful outputs using **DialogFlow (NLP)**
- Engineered a smart environment by developing a master web application using **Django** to manage and control the robot, improving interaction accuracy and response times, and streamlining operations and research efficiency

PROJECTS

Imagination Spectrum | *Dashboard for psychometric assessments' management*   imaginationspectrum.com
- Developing a full-stack web-app to conduct and manage imagination assessments measuring mental imagery and calculating Imagery Profile (IP)
- **Technology Utilized:** Turborepo, NextJS, Supabase, Resend, Drizzle, Zustand

WP Keystone & keystone-auth SDK | *Enterprise Authentication System for Headless WordPress*
- Developing a scalable & comprehensive auth system – JWT-based, multi-factor (TOTP, Email), OAuth integration, device tracking capabilities – with robust security features (rate limiting, session management, audit logging)
- **Technology Utilized:** PHP, WordPress, Typescript, REST API, JWT, OAuth2, MySQL