Anish Khanna

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Technical Skills

Languages:	JavaScript, TypeScript, HTML, CSS, Java, Python, C/C++, Bash
Technologies:	React, Redux, Angular, RxJS, Node.js, Express, Spring, Django, Flask, MySQL, Postgres, ElasticSearch, MongoDb, D3.js
Other Tools/Frameworks:	AWS, Docker, Kubernetes, Datadog, TensorFlow

Experience

Lifion by ADP   Jan 2021 – Apr 2021
Software Developer – *Platform Engineering*   *New York City, NY*

- Planned and implemented several report endpoints querying historical records from a Postgres database then programmatically emailing results to clients.
- Developed several new features for the transition of the existing custom version-control platform towards a Git-based solution the made use of the latest programmatic git technologies.
- Architected a no-downtime database upgrade process within Amazon RDS to minimize client-facing impact of infrastructure updates and corresponded with SRE teams to update company-wide policies.

Thomson Reuters   May 2020 – Aug 2020
Software Developer – *Checkpoint for Tax and Accounting*   *Toronto, ON*

- Improved content searching/indexing for tax law documents through enriched algorithmic content ingestion within several Spring Boot microservices and enhanced ElasticSearch configurations.
- Augmented the knowledge panels component of the Checkpoint Angular-based UI and transitioned the UI from monolithic JSP to the modern front-end.
- Integrated external tools to the platform, allowing them to open in-page and making them searchable.

Desire2Learn   Sept 2019 – Dec 2019
Software Developer – *Research and Labs*   *Toronto, ON*

- Produced a student course events dashboard using React/Redux, enabling users to sync events from various learning portals to a single app that profiled them with Auth0.
- Used D3.js to create programmatic graphs in an application providing course instructors with enhanced information regarding course strength and effectiveness.
- Prototyped a stateless microservice that used various NLP techniques to find string similarities.

Huawei Technologies   Jan 2019 – Apr 2019
Software Research Engineer – *Advanced Networking*   *Kanata, ON*

- Constructed a network emulator to analyze the behavior of OSPF and IS-IS routing protocols in routing networks subject to various hyper-dynamic topologies.
- Developed Spring web servers communicating across multiple machines, providing the user with a web interface for adjusting the distributed emulator, maintaining a MySQL database to keep record of the layout.

Wize.ai   May 2018 – Aug 2018
Software Developer – *Core*   *Markham, ON*

- Devised a Web Crawler using Selenium to obtain a live-feed of Sterilizer data, appropriately manipulating received data to store meaningful information in a FireStore database.
- Built Convolutional Neural Networks to identify physical indicator tests through image processing.

Education

University of Waterloo | Waterloo, ON   Sept 2017 – Present

- Candidate for Bachelor of Applied Science: Computer Engineering