Gurashish Arneja

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EDUCATION

University of Toronto   Canada
Bachelor of Science - Computer Science Specialist   *Aug. 2017 – June 2023*

EXPERIENCE

Shoelace Learning (builders of Dreamscape)   April 2021 – September 2022
Full Stack Developer

- Led a comprehensive overhaul of the front-end platform by implementing new features and components within the core product dashboard, directly resulting in an enhanced user experience and a significant boost in teacher subscriptions and sign-ups.
- Led the implementation of critical backend logic and middleware enhancements to the company's Node.js infrastructure. Expertly integrated new API endpoints, guaranteeing a seamless integration of additional features to the front-end platform.
- Refactored legacy React.js, Electron, and Node.js code, leading the migration of internal core company applications to Typescript. These efforts significantly improved performance and decreased development time.
- Resolved bugs and critical issues across the entire software stack, including front-end, middleware, and back-end code, ensuring seamless system operations and an optimal user experience.
- Integrated Mixpanel to the front-end and back end of the core company applications to implement event tracking to enhance data analytics capabilities for better decision making.

BrainBox   May 2020 – October 2020
Frontend Developer

- Led the transformation of the company's core product with a mobile-first design approach, involving the creation of new mobile-friendly components and a comprehensive UI overhaul using React.
- Developed and implemented Python scripts and SQL queries to extract data from the database, providing valuable insights to improve decision-making processes.
- Actively Resolved errors and anomalies throughout the web application, resulting in a smoother user experience.
- Enhanced team efficiency by creating and maintaining detailed documentation for front-end code and processes.
- Implemented front-end testing strategies using Cypress.io, ensuring the reliability and functionality of critical user-facing features.

PROJECTS

Path-Finding Algorithms Visualisation | *Unity, C#*

- Designed and executed interactive simulations in Unity to illustrate fundamental path-finding algorithms, including A*, Dijkstra, and RRT*. Employed these visualizations as a practical learning method to deepen understanding of the algorithms' mechanics and applications.

Spotify Backend | *Neo4j, MongoDB, Java Spring Boot Framework, REST Api, Github, NoSQL*

- Developed a backend Java REST API utilizing a microservices architecture, where two microservices seamlessly communicate with each other to accomplish specific use-cases, ensuring scalability and modularity.
- Utilized MongoDB and Neo4j databases for efficient data storage and retrieval in the respective microservices, leveraging the Java Spring framework for seamless integration.

TECHNICAL SKILLS

React.js, Node.js, Next.js, Java Spring-Boot, Electron, .NET Core, Ruby on Rails, MongoDB, Neo4j, JavaScript, TypeScript, Python, Java, C#, SQL (Postgres, MySQL), REST, Git, NPM, HTML, CSS