JUSTIN D. KIM

North York, ON | 416-908-4783

justink.dev | linkedin.com/in/justin-kim6 | kimjust6@gmail.com

SUMMARY

A Full Stack Developer who is passionate about creating modern user centered web applications using JavaScript Frameworks such as React and Angular. Proficient in developing, testing, and debugging frontend and backend technologies. Committed to continuous learning and personal growth to remain informed of new and emerging technologies.

TECHNICAL SKILLS

JavaScript Libraries	Angular, React, Next.js, Node.js, Express, JQuery, Ajax, Redux, RxJS, (HTML, CSS, SASS)
CSS Libraries	Tailwind, Material Design, Bootstrap
Programming & Scripting	C#, .NET, Java, Spring Boot, C, C++, Python, Typescript, JavaScript, Shell Scripting (Bash)
Databases	SQL (PostgreSQL, MySQL, SQLite), Firebase, Firestore, MongoDB, Supabase
Tools & Misc.	Git, GitHub Actions, Postman, MySQL Workbench, AWS, Docker, Jest, JUnit, RESTful APIs, GraphQL

WORK EXPERIENCE

Full Stack Developer   May 2023 – Present

SOS Resoles - Freelance   *Toronto, Ontario*

Architected, designed, and developed e-commerce website using MongoDB, React, ASP.NET (C#), and Tailwind.

- Architect and test RESTful API endpoints with ASP.NET (C#), MongoDB and secure backend with JWT authentication
- Write Next.js (React) frontend application to be styled with Tailwind to be responsive and supports SEO
- Dockerize frontend web application and backend API server with Docker and Docker Compose
- Create order dashboard with pagination to view incoming orders
- Integrate PayPal for payments

Software Developer (Full Stack)   May 2022 – April 2023

ParTech Inc.   *Markham, Ontario*

Migrated legacy AngularJS web application to Angular 13, and patch bugs. Implemented new features, making existing web pages responsive, and reducing the load on SQL database to improve scaling.

- Debugged and refined widget dashboard used to visualize restaurant performance metrics
- Reduced dashboard API calls up to 30% by serializing API calls with RxJS and custom lazy loading logic
- Designed and launched alternate store dashboard, improving scalability by offloading resource intensive API calls to client database (using Angular, Material UI, Chart.js, Java, and MySQL)
- Repaired production server by diagnosing and fixing API endpoint that caused database connection leaks
- Reduced concurrent database connection count up to 25% by closing unused connections throughout application
- Created, tested, and integrated RESTful APIs in Java using tools: eclipse debugger, postman, and MySQL workbench
- Refactored approximately 30% of webpages to support mobile view
- Gained exposure to AWS CloudWatch, EC2, ECS, RDS and CI/CD pipelines

Project Coordinator   Sep 2017 – Aug 2019

Quantech   *Thornhill, Ontario*

Coordinated between project managers, engineers, and foreman on site. Took on additional responsibilities such as joining the health and safety board.

- Automated tasks using VBA scripts that emailed pay stubs to employees saving 2-3 hours a week
- Coordinated between project managers, foreman on job sites, and suppliers for deliveries highlighting organizational skills
- In charge of the organization of shop drawings for engineering sign-offs, employee training records, and equipment

EDUCATION

BTech. in Software Development – with Honours

Seneca College, Toronto

TECHNICAL AND OPEN SOURCE PROJECTS

Portfolio Website*: [GitHub](#) | [Live Demo](#)
Next.js, React, Tailwind, Framer Motion
Portfolio website highlighting work experience, skills, and projects.

- Built with Next.js framework (React) and styled with TailwindCSS
- Animated using Framer Motion

Stable Prompts Full Stack App: [GitHub](#) | [Live Demo](#)
Next.js, React, MongoDB, Google Oauth2, Tailwind
A web application that allows users to create, edit, and delete AI Prompts with one another.

- Developed using Next.js framework (React) and makes use of server-side rendering
- Google Oauth2 integration – login with Google accounts.
- Constructed backend RESTful APIs that CRUD NoSQL database MongoDB

Eventure Social Media Mobile App: [Video Demo](#)
Angular, Ionic, API Integration, Firestore, Firebase, UML, Android, iOS
Eventure is a mobile cross-platform social media application where users can find and make events. Users can search for points of interest, follow other users, and post events, pictures, or messages.

- Compatible with Android and iOS mobile platforms
- Established user stories and UML diagrams with Agile/SCRUM methodologies to visualize use cases
- Integrated TomTom API to find and display points of interest
- Utilizes firebase authentication and Firestore collections to store user data

AWS Microservice API: [GitHub](#)
AWS (EC2, Cognito, S3, DynamoDB), Docker, GitHub Actions, NGINX, Alpine, Jest
A cloud-based RESTful API microservice that allows users to perform CRUD operations with text and images.

- Constructed RESTful API and deployed on AWS using docker and NGINX
- Stored metadata on DynamoDB and data in S3 buckets
- Integrated AWS Cognito so users can be authenticated with Oauth2
- Utilized GitHub Actions to generate CI/CD pipeline that automatically tested and deployed service
- Automated testing using Jest with 80% code coverage

Wordle Clone: [GitHub](#) | [Live Demo](#)
Angular, CSS, Bootstrap
Recreated game: Wordle.

- Implementation of Wordle using Angular with responsive design in mind
- Became proficient in animating with CSS and keyframes
- Designed with responsive mobile and desktop views and includes both light and dark themes

Blockchain Banking Web Application: [GitHub](#) | [Video Demo](#)
Java, Spring Boot, Thymeleaf, PostgreSQL, Docker
A banking application that sends and receives cryptocurrency between accounts. Transactions are signed locally and broadcasted to a live blockchain for improved security and immutability.

- Developed backend in Java Spring Boot to handle signing and submitting transactions to the blockchain
- Setup PostgreSQL server to store encrypted username and passwords
- Integrated jNano library to handle transactions to manage for store of value
- Setup blockchain node using docker to broadcast transactions on live blockchain

VOLUNTEER EXPERIENCE

Seneca's Student Mentoring in Life and Education (SMILE)   Jan 2020 – May 2021
Volunteered for Seneca's mentoring program to help new students to transition from high school and ensure they have the best chance for success.

- Mentored 8 to 10 first-year Seneca students and demonstrated leadership skills
- Taught how to prioritize studying while balancing other responsibilities, such as work or extracurricular activities
- Discussed how to access various student resources and plan for success