

JUSTIN D. KIM

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TECHNICAL SKILLS

JavaScript Libraries & Frameworks	Angular, Next.js, React, Node.js, Express, Redux, RxJS, (HTML, CSS, SASS)
CSS Libraries	Tailwind, Material Design, Bootstrap
Programming & Scripting	Java, Springboot, Python, C, C++, Typescript, JavaScript, Unix Shell Scripting (Bash)
Databases	SQL (PostgreSQL, MySQL, SQLite), Firebase, Firestore, MongoDB
Tools & Misc.	Git, GitHub Actions, Figma, Postman, MySQL Workbench, AWS, Docker, Jest, JUnit, SDLC

WORK EXPERIENCE

Full Stack Developer

SOS Resoles - Freelance

May 2023 – Present

Toronto, Ontario

Architected and developed e-commerce website using MERN tech stack.

- Wrote Next.js (React) front end application to be responsive and support SEO
- Architected and tested RESTful API endpoints with Express.js, MongoDB and secured back end with JWT authentication
- Dockerized front end web application and back end API server with Docker and Docker Compose
- Created order dashboard with pagination to view incoming orders
- Integrated PayPal for payments

Software Developer – Full Stack

ParTech Inc.

May 2022 – April 2023

Markham, Ontario

Hired to migrate 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 built alternate store [dashboard](#), improving scalability by offloading resource intensive API calls to client database (using Angular, Material UI, Chart.js, and Java)
- 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 with tools: eclipse debugger, postman, and MySQL workbench
- Revamped 35% of webpages to support mobile view
- Gained exposure to AWS CloudWatch, EC2, ECS, RDS and CI/CD pipelines

Project Coordinator

Quantech

Sep 2016 – Aug 2019

Thornhill, Ontario

Hired to coordinate between project managers, engineers, and foreman on site. After onboarding, took on additional responsibilities such as automating repetitive tasks and 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
- Oversaw the organization of shop drawings for engineering sign offs, employee training records, and equipment

EDUCATION

BSc. in Software Development – with Honours

Seneca College, Toronto

Sep 2019 – Aug 2023

TECHNICAL PROJECTS

Portfolio Website: [GitHub](#) | [Live Demo](#)

Next.js, React, Tailwind, Framer Motion

My portfolio website that highlights my work experience, skills, and projects.

- Built with Next.js framework (React) and styled with tailwind
- Animated using framer motion

TECHNICAL PROJECTS CONTINUED

Stable Prompts Full Stack App: [GitHub](#) | [Live Demo](#)

Next.js, React, MongoDB, Google OAuth2, Tailwind

A web application that lets users 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 back end 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 are able to 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 Wordle game for friend's baby shower.

- Implementation of Wordle using Angular with responsive design in mind
- Learned to animate manually using CSS and keyframes.
- Responsive mobile and desktop view with light and dark theme.

Blockchain Banking Web Application: [GitHub](#) | [Video Demo](#)

Java, Springboot, 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 back end in Java Springboot 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 to ensure that 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 extracurriculars
- Discussed how to access various student resources and plan for success