

JUSTIN KIM

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SUMMARY

A Full Stack Developer passionate about creating modern web applications using JavaScript Frameworks such as React and Angular. Proficient in developing, testing, and debugging frontend and backend technologies.

TECHNICAL SKILLS

JavaScript Libraries & Frameworks

React, Next.js, Angular, Node.js, Express, JQuery, Ajax, Redux, RxJS,

CSS Libraries:

Material Design, Tailwind, Bootstrap, CSS, SASS, SCSS

Programming & Scripting

Python, Java, Spring Boot, C#, C, C++, Typescript, JavaScript, HTML, Shell Scripting (Bash)

Databases

SQL (PostgreSQL, MySQL, SQLite), MongoDB, Firebase, Firestore, Supabase

Tools & Misc.

AWS, Docker, Git, GitHub Actions, Postman, MySQL Workbench, Jest, JUnit, RESTful APIs, GraphQL

WORK EXPERIENCE

Full Stack Developer at SOS Resoles

May 2023 – Present

- Architected and tested RESTful API endpoints with Express.js, MongoDB and secured backend with JWT authentication
- Built responsive Next.js (React) application, prioritizing SEO and a user-centric design approach to ensure optimal performance across various devices and screen sizes
- Dockerized both frontend web application and backend API server using Docker and Docker Compose
- Integrated Stripe, allowing secured payment options for customers

Software Developer (Full Stack) at ParTech Inc.

May 2022 – April 2023

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

Project Coordinator at Quantech

Sep 2017 – Aug 2019

- 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

BTech. in Software Development – with Honours

Sep 2019 – Aug 2023

Seneca College, Toronto

TECHNICAL AND OPEN SOURCE PROJECTS

Eventure Social Media Mobile App: [Video Demo](#)

Angular, Ionic, API Integration, Firestore, Firebase, UML, Android, iOS

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.

- 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

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

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 over 80% code coverage

Wordle Clone: [GitHub](#) | [Live Demo](#)

Angular, CSS, Bootstrap

Recreated game: Wordle.

- Created clone of popular game Wordle using Angular with responsive design in mind
- Demonstrated proficiency in animating with CSS and keyframes
- Coded 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 user data and encrypted username, passwords
- 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

- Mentored 8 to 10 Seneca students, providing guidance and support to foster their personal and academic growth
- Taught how to prioritize studying while balancing other responsibilities, such as work and extracurricular activities
- Educated students on how to access and maximize various student resources and plan for success