[JUSTIN D. KIM](https://www.justink.dev) (He/Him)
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EDUCATION

BSc. in Software Development – GPA 3.9   Sep 2019 – Aug 2023
Seneca College, Toronto

TECHNICAL SKILLS

Web Development	Angular, React, Next.js, node, Javascript, HTML/CSS, Bootstrap, Material Design, Tailwind, Redux, RxJS
Programming/Scripting	Java/Springboot, C/C++, Python, JavaFX, bash/shell/unix scripting, UML Design
Database Management	SQL relational databases (postgreSQL, mySQL, SQLite), firebase, firestore, MongoDB
Tools	Docker, Git, Github Actions, Postman, mySQL Workbench

WORK EXPERIENCE

Software Developer – Full-Stack Engineer   May 2022 – April 2023
Partech, Inc.   *Markham, Ontario*

- Maintained ownership of widget dashboard that clients utilized to view organization performance metrics
- Reduced database and dashboard API calls by 40% by serializing API calls with RxJS and manually implementing lazy loading
- Architected and implemented store portal dashboard using Angular/Material 15, chart.js, and swiper to improve scalability by transitioning API calls to client databases
- Repaired production server by diagnosing and fixing an API endpoint that caused database connection leaks reducing average database connection count by 30%
- Exposure to AWS EC2, ECS, and RDS; Heavy exposure to material design and responsive design
- Misc. Tools & Technologies: RESTful APIs in Java, eclipse debugger, postman, mySQL workbench

Project Coordinator   2016 – Aug 2019
Quantech Electrical Contractors Ltd.   *Thornhill, Ontario*

- Created, updated, and debugged VBA scripts to automate emailing paystubs to employees
- Coordinated between project managers, foreman on job sites, and suppliers for deliveries
- Oversaw the organization of shop drawings for engineering sign offs, employee training records

TECHNICAL PROJECTS

Next.js, React.js, MongoDB, Google Oauth2, Tailwind   *Stable Prompts Full Stack App:* Github | Live Demo
A web application that lets users create, edit, and delete posts that are saved onto MongoDB.

- Developed using Next.js framework
- Google Oauth2 integration – login with your existing google account to start sharing posts immediately.

Angular, Ionic, tomtom API, Firestore, Firebase, UML Design   *Eventure Capstone Project:* Video Demo
A mobile application where users can create and find events as well as find existing points of interest.

- Designed and developed user stories and UML diagrams with Agile/SCRUM methodologies to visualize use cases
- Developed application for compatibility for both Android and iOS platforms
- Integrated tomtom API to find and display points of interest
- Utilizes firebase authentication and firestore collections to store user data

Angular, CSS, Bootstrap   *Wordle:* Github | Live Demo

- Implementation of Wordle using Angular with responsive design in mind: includes a dark and light theme.

AWS (EC2, Cognito, S3, DynamoDB), Docker, Github Actions, NGINX, Alpine, jest   *AWS Microservice:* Video Demo
A cloud-based restful API microservice that allows users to perform CRUD operations with text and images.

- Created restful API that was 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
- Created test cases to automate testing and evaluated code coverage using jest

Spring Boot, Thymeleaf, Java, PostgreSQL, Docker   *Blockchain Banking Web Application:* Github | Video Demo
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 Springboot/Java to handle signing and submitting transactions to the blockchain
- Integrated jNano library to handle transactions to manage for store of value
- Setup a Banano node using docker to broadcast transactions on live blockchain
- Setup a postgreSQL server to store encrypted username and passwords

VOLUNTEER EXPERIENCE

Seneca's Student Mentoring in Life and Education (SMILE)   2020 – 2021

- Mentored 8 to 10 first year Seneca students and demonstrated leadership skills