

Enoch J. Kim

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TECHNICAL SKILLS

Strong: Javascript (ES5/6), HTML5, CSS, React, Redux, Node.js, Express, PostgreSQL, Mongoose, MongoDB, RESTful API's, Jest, Git

Experienced: Angular, jQuery, Passport, Socket.io, MySQL/SQLite, Supertest, Webpack, Mocha, Chai, Golang

SOFTWARE ENGINEERING PROJECTS

Root.io, Software Engineer

Real-time Kanban workflow visualization tool

- Constructed drag and drop UI with HTML5, React DnD, and Socket.io for improved usability and performant rendering
- Developed custom algorithm to increase efficiency of re-ordering database entries from linear time to amortized constant time
- Designed custom SQL data transformation ORM for enhanced compatibility with front-end client
- Architected parallel database reorganization workers with Cron and Node child processes for efficient and scalable database optimizations

RoadChip, Software Engineer

Personal destination and route planner

- Created modular front-end views with React for improved extensibility and fast rendering
- Architected RESTful API with Node and Express for efficient client and third party communication
- Integrated live directions and point of interests with Google Maps, Directions, and Places APIs for rapid and accurate wayfinding
- Designed location based point-of-interest search algorithm to efficiently acquire accurate temporal and spatial data

PitchMe.io, Software Engineer

Social network for founders to pitch products

- Optimized state management with Redux for increased modularity and reduced server demand
 - Designed SQL schema, created complex queries for efficient storage and retrieval of relational data
 - Implemented authentication and session persistence with Passport for efficient and frictionless login
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PROFESSIONAL EXPERIENCE

Hack Reactor, Software Engineering Fellow

2017 - Present

- Taught CS fundamentals such as complexity analysis, data structures, recursion, and common algorithmic problem-solving patterns
- Delivered 1:1 training on MVC paradigm and implementation of popular frameworks/libraries such as React, Angular, and Node
- Advised students throughout project development phase on technology trade-offs and best practices

BayFirst Solutions, LLC, Department of Homeland Security

2014 - 2016

Senior Management Consultant | National Protections and Programs Directorate

Arlington, VA

- Developed departmental change management plan by conducting quantitative studies and analyses to evaluate and improve the efficiency of business processes

Program Management Consultant | U.S. Customs and Border Protection,

Washington, D.C.

- Managed risk and ensured long term program productivity by quantifying identified risks, developing SOPs, and implementing internal control validations
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EDUCATION

Hack Reactor, Advanced Software Engineering Immersive Program

2017

Villanova University, Six Sigma Green Belt Certification (SSGBC)

2016

Virginia Polytechnic Institute and State University, B.S in Biological Sciences

2014