Jinyeong (Jenny) Park

San Francisco Bay Area | (310) 779 9982 | jyp@seas.upenn.com | www.linkedin.com/in/jennypark7 | github.com/jinyeong-park

Technical Skills

Front end: JavaScript ES6, Typescript, React JS, React Hooks, HTML, CSS, Styled Components, Babel, Webpack
Back end: Python, Node.js, Express, MySQL, MongoDB, PostgreSQL, Docker, AWS (EC2, S3)
Other: Git, NPM, Mocha/Chai, Jest/Enzyme, New Relic, k6, Loader.io

Education

University of Pennsylvania - *Master of Computer and Information Technology*   *2021 - 2024*
Hack Reactor: San Francisco, CA - Advanced Software Engineering Immersive Program   2020
University of California, Los Angeles - Certificate in System Analysis   *2019*
   ● *Courses: Fundamentals of Software Development, Relational Database Management, Python*
Ajou University: South Korea - Bachelor in Business Administration with Emphasis in Finance

Experience

SAP - *Software Engineer Intern (SAP Fiori Elements)*   *Apr 2021 - Apr 2022*
   ● Designed, developed, and tested usable software in close collaboration with the product owner, architect, and scrum team
   ● Application Information page for all users to see the project status and commands on one page
   ● POC of Guided Answer extension

Center Stage Hobby - *Software Engineer*   *Jan 2021 – Mar 2021*
   ● Built a web & mobile full-stack platform to modernize the trading sports card transactions
   ● Utilized React.js, React Native for front-end, AWS serverless services, and AWS Cognito for a user authentication

Kolao Group (LVMC Holdings) - *Data Analyst*   *Nov 2014 - Nov 2018*
   ● Worked with IT team to provide financial data in order to implement finance credit system
   ● Examined car loan database and identified key issues to reduce overdue debt customers' payment patterns
   ● Optimized finance database query performance by pinpointing congestion with MySQL Query Analyzer
   ● Defined key performance metrics, created monthly reports, and interactive dashboards to help upper management

Gulf Air - *Team Leader, Flight Attendant*   *Apr 2008 - Apr 2012*

Software Engineering Projects

Bookable - *MERN stack web application to browse and save nearby listings*
   ● Implemented a dynamic image gallery microservice using React for reusable components and CSS modules for front end
   ● Designed RESTful API to handle CRUD operations to handle user save functionality and developed an Express proxy server routing to other microservices
   ● Dockerized application to obtain a microservice architecture and deployed to AWS EC2
   ● Incorporated tests with Jest and Enzyme during development to minimize bugs and automate testing for test-driven development
   ● Enhanced page loading speed by 16% by compressing the bundle.js file from 2.6MB to 190KB (93% compression)

PartialTable - *Backend System Design of Popular Dish Recommendation Service*
   ● Delivered an optimal database by benchmarking Postgres and Cassandra under load with 15M records based on the performance, use case, and query flexibility
   ● Deployed an application to AWS(EC2) instance, stress-tested high traffic load using K6 and loader.io by collecting performance metrics using New Relic dashboard to identify system bottlenecks
   ● Reduced query times to <10 ms by PostgresSQL optimization (indexing and query restructuring)
   ● Horizontally scaled a legacy codebase using Nginx load balancer across 4 AWS EC2 instances, achieving a latency time of 100 ms throughout 1000 requests per second and a 0% error rate

sCart - *E-commerce web application allowing users to log in and check out their items*
   ● Developed a full-stack web application for e-commerce using real-time Firebase storage and implemented UI components of the checkout feature with React and React Hooks
   ● Built a checkout and payment process with Stripe API, backend functionalities, and database using Firebase
   ● Developed features to sort and filter results based on users' search, sign up, log in, and add/delete items in the cart