MICHAEL SIU

SOFTWARE ENGINEER

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TECHNICAL SKILLS

- **Language:** Javascript [ES5 & ES6]
- **Front End:** HTML5 | CSS | React | React Router | Bootstrap
- **Back End:** Node.js | Express | MongoDB | MySQL | PostgreSQL | NGINX
- **Testing/Deployment:** Loader.io | Artillery | AWS S3 | AWS EC2 | Netlify | Heroku
- **Developer Tools:** Git | NPM | Webpack | Babel | Agile Methodology

APPLICATIONS

Hire-Mee, *PostgreSQL | Express | React.JS | AWS*

- Co-designed and developed a web application for users to keep track of all their job enquiries
- Architected a dynamically-rendered navigation page based upon a user's clicked selection via React Router
- Constructed a statistics page with a pie chart that correlates to what user is logged in
- Built a settings page with an option to reset their monthly application numbers and an account deletion button
- Implemented a logout function to render the home page back to the sign-up/login page

E-Commerce Clone System Design, *MongoDB | PostgreSQL | Express | AWS | Loader | Artillery | K6*

- Generated and stored 10 million simulated products via a CSV file script
- Benchmarked the query times between MongoDB and PostgreSQL and reduced the queries to an average of 5ms per request with indexing
- Horizontally scaled the RPS capability of 1 EC2 instance with 700RPS, 0% error rate and 89ms average response time, to 4 EC2 instances with 10,579RPS, 0% error rate and 61ms average response time via creation of a load balancer and through caching using NGINX

E-Commerce Clone, *MySQL | Express | React.JS | Node.JS | AWS*

- Built a Fenty Beauty related products clone using React
- Utilized a SOA to encapsulate the Nav-bar, Product, Related-Products and Reviews Module
- Deployed the application and database to an AWS EC2 instance

CAREER SUMMARY

Quinn Company   **Riverside, CA**

Information Technology - Helpdesk Technician   *Oct 2017 - Apr 2018*

- Supervised and onboarded two junior technicians and monitored their development of best operational practices
- Integrated users to Office 365 from IBM Lotus Notes
- Organized and documented software licenses, hardware assets, and cellular reimbursements
- Provide timely detailed and high-level reports to management of critical operations

EDUCATION

Hack Reactor @ Galvanize   **Los Angeles, CA**

Full-Stack Software Engineering Immersive   *2020*

- Accelerated 12 week program in learning the fundamentals of building a full-stack application with over 1100 hours of coding

University of California, Riverside   **Riverside, CA**

Bachelor of Science, in Economics/Administrative Studies   *2018*

- *Concentration in Management Information Systems*