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Work Experience

Full-Stack Software Engineer, Associate

Singapore

JPMorgan Chase and Co., Global Technology Infrastructure: Private Cloud

Mar 2019 - Present

- Working for the Observability (Metrics, Events, Logs) team focusing on Events for JPMC's own Private Cloud solution. Like Cloudwatch for AWS but for JPMC's Private Cloud
- Developing, maintaining and operating an events pipeline using Kafka processing over 3 million events per day
- Certified Kubernetes Application Developer. Pursuing AWS Solutions Architect - Associate certification
- Led a team of 5 to architect and build a React component library for visualizing metrics and events
- Evaluated architectures of relevant products and created prototypes to make business cases to upper management before proceeding to develop solutions using them
- Developed, operated and maintained a CRUD API written in Flask backed by Cassandra for storing Cloud inventory data
- Wrote integration applications, technical documentation to enable seamless on-boarding for platforms producing Telemetry events
- Guided 5 teams of undergrad students to solve problems of 2 NGOs in JPMorgan's Code-for-Good (coding for social causes) competition; 2 teams' submissions were adopted by the organisations
- Delivered talks to the Singapore Platform team on topics such as GraphQL, the state of front-end in 2019, and an architecture review of a modern full-stack cloud-based application
- Conducted postmortems on incidents and wrote detailed analyses and worked on the action items derived from the incidents to prevent future occurrences
- Conducted performance tests and adopted necessary resiliency measures for our team's products to establish SLOs to bring the product to General Availability
- Created and moderated a Front-end "guild" and served as a Subject Matter Expert on front-end
- Regularly presented product updates in the team's bi-weekly demos where the audience ranged from upper management to fellow engineers
- Tech stack: Java (Spring), Kubernetes (CKAD), Pivotal Cloud Foundry, GraphQL, Python (Flask), Cassandra, React, NodeJS, Elasticsearch, Prometheus, Grafana

Full Stack Software Engineer - Mid1 -> Mid2 -> Dev Lead

Singapore

99.co, Fastest growing real estate portal in Southeast Asia

Nov 2017 - Mar 2019

- Significant contributor to the web portal used by over 600K users every month looking to buy/rent property
- Championed a culture of quality by getting buy-ins from various stakeholders to set up automated quality assurance thereby proactively preventing errors instead of mitigating after they occur
- As the Dev Lead, coordinated engineering resources, held API design meetings, conducted planning poker sessions and ensured consistent timely product deliveries
- Increased the weekly property enquiry rate by 55% by reducing the number of steps users had to perform to enquire which also led to an increase in product sign ups
- Interviewed, on-boarded and mentored 2 engineers
- Developed a map tile server, architected and built a React component-as-a-service application
- Tech Stack: ReactJS, Redux, CSS Modules, NodeJS, Python (Tornado), AWS EBS, Kubernetes

Full Stack Software Engineer

Singapore

G Element, 3D solutions for smart buildings and cities

Jul 2015 - Oct 2017

- Lead engineer for the company's flagship product; reviewed contributions from other engineers
- Researched and decided the tech stack of the web client which includes application and front-end frameworks, libraries, CSS pre-processors
- Administered servers and performed tasks such as creating daemons, deploying services, monitoring the resources and managing permissions
- Tech stack: NW.js (like Electron), Vanilla JavaScript, jQuery, Less, Ubuntu, Systemd

Co-Founder and CTO

Singapore

Clueless, Matching students with internships

Jul 2014 - May 2015

- Co-founded a company to help diploma holders and sophomore year students to find internships
- Created an AngularJS based web internships marketplace to advertise job listings and handled other tech needs like company mail server set-up, web hosting, deployment

Lead Software Consultant Intern

Singapore

Precursor

May 2014 - July 2014

- Impressed with my tech consultancy advice in the interview, the CEO hired me as a lead consultant to solve productivity tools for his firm
- Automated auditor productivity tracking and audit cases scheduling from a messy Excel spreadsheets based system to a web application that saved several hours per week of manual work
- Tech stack: Python, jQuery, Ubuntu

Software Engineer Intern

Singapore

99.co

May 2013 - Nov 2013

- Built a safe user interface for the Product Manager to perform limited operations on user data. Before this he directly manipulated the database which was risky.
- Contributed to an AngularJS lib; lazy-loaded images for better performance; set up email notifications;

Education

National University of Singapore

Singapore

B. Eng (Hons) Computer Engineering

August 2011 - May 2015

- Minor in [Technopreneurship](#)
- NUS Overseas College, Entrepreneurship Program: Visted over 30 companies in China to understand the market, start-up culture and setting up businesses
- As the President of NUS Indian Dance club, generated USD 40K revenue from conducting shows. Led a committee of 11 members and oversaw budgeting, ticket sales, marketing and stage management