GENG SNG

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EDUCATION

Duke University
B.S. IN COMPUTER SCIENCE & PHILOSOPHY
Durham, NC
May 2020

General Assembly
FULL-STACK WEB DEVELOPMENT IMMERSIVE
Singapore
Summer 2016

EMPLOYMENT

Full-Time Assistant Instructor
GENERAL ASSEMBLY, WEB DEVELOPMENT (https://generalassemb.ly/education/web-development-immersive)
Singapore
Summer 2017
- Taught a class of 23 students aged 20-36 with no prior experience in coding to become full-stack web developers in 3 months.
- All students graduated with 4 projects and got hired as junior developers / started their own startup.
- Lead instructor for unit on Ruby, OOP, Ruby on Rails, and creating modern MVC web applications and REST APIs the Rails way. Students successfully deployed full-stack Rails apps and React.js + Rails API apps that are in production.
- Enforced Agile practices and Unix philosophy, facilitated daily stand-ups as Scrum Master, and debugger-in-chief every day.

Freelance Web Developer / Consultant
1 YEAR+ EXPERIENCE / 7 PROJECTS
Singapore
2016-Present
- Hired to develop web projects for 7 companies using Ruby on Rails / MERN.
- Hired as a consultant to reimplement and improve the UI and performance of https://www.bigbox.com.sg
- Experience working in teams for bigger contracts and leading teams of up to 4.

CEO / Co-founder of Kinla!
FOODTECH STARTUP
Singapore
Spring 2013
- Kinla! is a mobile app that allows users to search for quick meals nearby, pre-order, pre-pay and arrive at their destination with their food ready to go.
- Sales & Business Development: on-boarded 15 quick service meal restaurants; $10,000 seed funding.

TECHNICAL EXPERIENCE

Projects

STARTUPS SG API — https://github.com/snggeng/startups-sg-api
- RESTful API of Singapore's startup scene using Node.js, Express.js, MongoDB
- Created test suite | 93.48% coverage & 65 tests using Mocha & Chai
- TDD with Continuous Integration for project workflow using CodeShip

PROTOSTAR — https://snggeng.github.io/protoStar-Visualisation
- Research & co-author on paper about optimizing large scale SQL queries on cluster network databases using graph algorithms
- Mapping Java objects into MySQL using Hibernate ORM, JPA and returning database tuples as Java Objects using JDBC
- Data visualisation using D3.js and cytoscape.js

33 CLEARANCE (CLIENT WORK) — Under Development (Due Nov 2017)
- Hired to develop e-commerce & dashboard solution for Furniture Retailer in Singapore
- Dashboard made with React, Redux, Firebase (API and hosting), Material UI
- Ecommerce website made with React, Firebase, Bootstrap

Skills
- **PROFICIENT:** Javascript (ES6, React, Redux, Node, Express, MongoDB, Firebase, d3, Bootstrap, Socket.io, Mocha, Chai)
- **PROFICIENT**: Ruby (Ruby on Rails, Rspec, ERD, PostgeSQL, MySQL, SQL, AWS S3/EC2 Hosting) **FAMILIAR**: Python, Java

OTHER EXPERIENCES

HackDuke
EDUCATION TEAM LEAD
Durham, NC
2016-Present
- Organized 12 workshops throughout the school year featuring student presenters, Duke Alumni, founders and software engineers around Durham to an estimated audience of 30 per workshop
- Co-organized Duke's annual hackathon HackDuke, encouraging students to hack for social good

Tech Talks / Hackathons
8 TIME HACKATHON PARTICIPANT
Durham, NC
2016-2017
- Mentor & Workshop Presenter for Ruby on Rails @ HackDuke 2016 — https://github.com/snggeng/trip-mapper-demo
- Organise Weekly Meetup for learning web dev @ Duke
- Presented workshops on Ethereum, Progressive Web Apps, React, Redux, and other topics at various hackathons/events