Dickson Lau

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SKILLS

Languages: Ruby, Python, JavaScript, HTML, CSS, Git
Databases: SQL, Redis, Firebase, Elasticsearch
Tools: React, Flask, Rails, Django, AWS, Github, JIRA, Sidekiq, TravisCI, Heroku

EXPERIENCE

Senior Software Engineer | Alnylam Pharmaceuticals - Cambridge, MA   *July 2021 - Present*
Biopharmaceutical company leading in RNAi therapeutics research

→ Build and maintain full stack in-house applications that help automate processes
  as defined by scientists and researchers
→ Mentor junior members about clean code, web dev fundamentals, and good engineering practices
→ Strategize, architect, and migrate on-prem software architecture to AWS ecosystem,
  complete with modern solutions and custom CICD pipelines
→ Participate in design and architecture conversations to push tech-forward initiatives

Software Engineer | Rue Gilt Groupe - Boston, MA   *Apr 2019 - July 2021*
Large company in flash sale market for high-end retail products

→ Delivered a robust and intuitive experience for Rue La La and Gilt storefronts by
  utilizing modern web technologies through a full-stack approach
→ Leverage React.js to update the front-end for various apps within Ruetech ecosystem
→ Refactor existing legacy systems for the benefit of removing and preventing tech debt

Software Engineer | LevelUp - Boston, MA   *Oct 2016 - Apr 2019*
Mid-size company in restaurant tech and mobile payments. Acquired by Grubhub in 2018

→ Crafted maintainable and thoroughly tested code for a large-scale,
  high-availability web application as a member of the Platform team
→ Integrated, designed, and tested APIs from third-party vendors
→ Collaborated closely with other engineers through rigorous code reviews
→ Analyzed logs, databases, and code to repair and diagnose bugs

Frontend Developer | Amalgam Co - Boston, MA   *June 2016 - Oct 2016*
Startup web agency providing complete digital marketing solutions

→ Built websites to express brands, content, and digital experiences
→ Translated full websites from mockups and wireframes
→ Adhered to git workflow while handling multiple projects for different clients

Research Engineer | Cambrian Innovation - South Boston, MA   *Dec 2014 - Feb 2016*
Startup exploring innovative ways to repurpose wastewater

→ Designed, constructed, and tested prototype phase II project designs
  for Department of Defense
→ Researched microbial fuel cells (MFC) and their applications to treating wastewater
→ Built and tested MPPC circuits

EDUCATION

Boston University College of Engineering - Boston, MA   *Sept 2010 - May 2014*
Bachelor of Science in Biomedical Engineering

Concentration in Nanotechnology