Sunny Ng

sunny@sunny-ng.com
https://sunny.ng
https://github.com/blahblahblah-

SKILLS SUMMARY

- Technical experience in Ruby on Rails, Scala, Java, JavaScript, Redis, Postgres/SQL, Heroku, AWS, GCP.
- Experience in drafting technical and functional designs for software projects, with an interest in user experience design.
- Participation in an Agile software development environment using Scrum methodolgy in a cross-functional squad setting; working with product managers and designers.
- Strong interpersonal, oral and written communication skills.

WORK EXPERIENCE

July 2022 - October 2023

- **Senior Backend Engineer, Corporate Travel,**
Hopper, Remote
  - Integrated hotel supply with an external Global Distribution System provider to support key launch feature.
  - Architected and collaborated with frontend engineers to build and integrate Travel Policy microservice from scratch.
  - Built and supported brand new corporate travel offering to beta launch.

December 2019 - July 2022

- **Senior Software Engineer, Commerce Shipping & Fulfillment,**
Squarespace, New York, NY, United States
  - Redesigned data model and increased performance by 10x for Commerce Subscription service.
  - Led project to extract Commerce shopping cart into its own microservice from a monolith.
  - Optimized Commerce platform performance by up to 10x from reducing unnecessary calculations and calls.

October 2013 - August 2019

- **Staff Software Engineer, Platform Engineering,**
Harry's, New York, NY, United States
  - Architected, built and maintained supply chain core software systems, as well as user-facing features for our e-commerce platform that powers our website and our mobile apps.
  - Analyzed and strategize ways to improve our inventory and shipping algorithms.
  - Optimized performance in response-time for our website, and proactively work to improve and scale our web platform.
  - Heavily involved in internationalization project of the website for UK launch and worked towards GDPR compliance.
  - Communicated and worked effectively with engineers, digital product, and the business at-large.
  - Integrated internal admin site with AWS Cognito authentication.
  - Co-chair of People of Color Employee Resource Group.

March 2012 - October 2013

- **Software Engineer, Content Management Systems,**
The New York Times Digital Group (nytimes.com), New York, NY, United States
  - Working closely with editorial groups to maintain tools that allow users to publish content to NYTimes.com and other syndication consumers.
  - Designing data models and implementing new features for Java web-based applications using Hibernate, Spring and Struts, along with front-end work with Backbone.js and jQuery.
  - Creating and maintaining API for output data feeds with PHP and MongoDB.

August 2010 - March 2012

- **Application Developer/Technical Product Manager,**
NexJ Systems, Toronto, ON, Canada
  - Collaborated with professional services consultants to produce deliverables for client projects in a Scrum Agile development framework.
  - Drafted technical designs for new features based on given functional requirements in a lead developer role for a CRM product targeted at the financial, health and insurance industry verticals.
  - Created business and data models, as well as presentation layer designs for use in model-

driven functional programming.

Sept 2009 - August 2010	- **Software Engineer,**
	Volanté Systems, Toronto, ON, Canada
	  ○ Developed for a Java Swing Point-of-Sales software system used in the hospitality industry.
	  ○ Led development in new software application for iOS in Objective-C.
	  ○ Designed and implemented a self-service kiosk user-interface for a POS system targetted at food service customers.
	  ○ Created interfaces for an enterprise-grade system with Microsoft SQL Server and Sybase SQLAnywhere.

PROJECTS

- **Subwaydle** - A daily puzzle game inspired by Wordle, and tests your knowledge of the New York City Subway. Featured in Kotaku, and FOX 5.
- **The Weekendest** - Real-time map that tracks New York City Subway trains and dynamically draws current active routes, useful during service changes. Featured in Bloomberg CityLab.
- **goodservice.io** - Open-source project that tracks live conditions of the New York City subway system. Featured in Motherboard by Vice.
- **NYPD Complaints** - Visualizes police officer complaints from the ProPublica NYPD Files data dump.
- **subwayridership.nyc** - Visualizes subway ridership effects from Covid-19 on a systemwide level and on a per station basis.

VOLUNTEER EXPERIENCE

Sept 2015 - June 2019	- **Teacher Volunteer,**
	Code Nation (formerly ScriptEd), Brooklyn Preparatory High School/Greenpoint Art + Technical High School, Brooklyn, NY, United States.
	  ○ Leading lessons on teaching HTML, CSS and JavaScript concepts to high school students with no computer science experience.
	  ○ Support other volunteers in classroom management and tutoring.
	  ○ Grading and keeping up with students' progress and provide necessary support.

June 2013 - June 2014	- **Teacher Volunteer,**
	TEALS (Technology Education And Literacy in Schools), Young Women's Leadership School, Astoria, NY, United States.
	  ○ Created and drafted lesson plans and assignments in Computer Science.
	  ○ Led technical classroom lectures and discussions.
	  ○ Evaluated students' competency and progress in Computer Science, and providing assistance.
	  ○ Coordinated schedule and communication with school administration

EDUCATION

- **Bachelor in Applied Science (BASc) Honours Computer Engineering Co-Operative Program**,
University of Waterloo, Waterloo, Ontario, Canada
Relevant courses: User Interfaces, User-Centred Designs, Component-Based Software Engineering, Introduction to Cognitive Science
Relevant projects: Designed and implemented various user interfaces in Java Swing and X11 using the MVC model; Developed a social-based media-lending system using an n-tiered architecture with Java EE, MySQL and JBoss; Developed a Java-based system with MySQL for inventory management in a food establishment using RFID technology; Implemented a VoIP application using SIP protocol with Java Swing