Chewantha Jayasundera

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EDUCATION
City University of New York, Queens College
Major: B.S. in Computer Science   GPA: 3.4
Courses: *Data Structures, Algorithms, Cloud Computing, NLP, Computer Vision, Machine Learning, Databases, Web Technologies*

SKILLS
Languages: Java, C++, C#, Python, JavaScript, SQL, Shell, Bash, HTML, CSS, PHP
Frameworks & Libraries: React, Node.js, Express, .NET
Tools & Platforms: Git, Docker, Kubernetes, AWS, GCP, MongoDB, Maven, Jira, UNIX, ServiceNow

RELEVANT EXPERIENCE
City of New York, HRA   November 2023 – Present
Technical Business Analyst I   *New York City,* NY
- Resolved software/hardware issues via ServiceNow ticketing for APS internal tools and devices.
- Managed SQL-based databases to streamline internal workflows and data integration with other city agencies.
- Collaborated with software engineers to debug, test, and deploy 125+ bug fixes for a social worker application.
- Set up remote access tools like Microsoft RDS and Ivanti VPN across user systems.

Runwei   November 2022 – August 2023
Backend Engineer   *New York City,* NY
- Led 5 interns using Jira to build a working web app prototype within 2 months.
- Conducted daily standups and monthly stakeholder meetings to ensure progress and alignment.
- Developed a Python scraper with dynamic pagination support, achieving an 85–93% data capture rate.
- Designed a scalable DynamoDB schema that cut costs by 50% and improved query speed by 20%.

Rapido   February 2021 - March 2022
Software Engineer   *New York City*, NY
- Built ML algorithms in Python with 91% accuracy and 64% reduction in false negatives for classification tasks.
- Improved time complexity of data preprocessing from $O(n^2)$ to $O(\log n)$ for sensor data.

Malachite Group Ltd   August 2018 - November 2023
In-house Technical Support   *Mineola*, NY
- Rebuilt the company website, increasing traffic by 40% and helping generate $2M in real estate revenue.
- Showcased 200+ commercial properties to improve visibility to lessees.
- Coordinated with IT vendors to onboard new employees and set up workstations.

PROJECTS
- **Image Extractor 9000 – Windows Wallpaper App**
  C#, .NET, PowerShell
  Created a desktop taskbar app that periodically updated wallpapers with automotive and space images.
- **Gutenberg x Google - Reading Tracker**
  JavaScript, HTML/CSS, GCP, Google Calendar API
  Developed a goal-setting web app that synced with users' Google Calendars to track and promote reading.
- **John's Fried Chicken - Online Food Ordering System**
  Java, MongoDB, Heroku, React
  Built a socket-programmed Java backend for a fast-food web app; hosted the full stack on Heroku.
- **Flooring Icon Manager - Android App**
  Android, MongoDB, Node.js.
  Developed an inventory and shopping cart system for a tile retailer with Android front-end integration.
- **DigitRekognizer – AWS-hosted ML Model**
  AWS EC2, S3, SageMaker, Python
  Built a LeNet-5 CNN model for digit recognition (MNIST) and optimized cloud deployment on AWS
- **Happy Fish Project - Aquatic Ecosystem Automation**
  Python, Shell, C, Arduino
  Designed control scripts for automated water and light monitoring across 30+ marine biology fish tanks.