Kevin Chen

469-623-3014| kevinchenftw@gmail.com |github.com/xzus | linkedin.com/in/kevinchen

SKILLS

Languages: Java, Python, SQL, Javascript/Typescript, C++, Native English, Native Chinese, Conversational Spanish
Frameworks: Spring Boot, Hadoop, Pyspark, Express, Supabase, React, React Native, AWS, NodeJS, Junit
Tools: Docker, Git, Linux, AWS, GCP, Postman, Kali Linux, ChatGPT, SSH

EXPERIENCE

Amazon   May 2022 - August 2022
Software Development Engineer
- Built Java metrics reporting solutions using the Spring Boot framework to work in a microservice architecture
- Developed Python library to programmatically generate dozens of SQL scripts for data collection and peer review
- Built automated ETL pipeline to move **~500MM** datapoints weekly to centralized Redshift data warehouses
- Visualized collected metrics using AWS Quicksight and published dashboard to internal wiki, increasing wiki site traffic from interested internal customers by **50% Q/Q**
- Closed production-related tickets as part of working in an Agile environment to decrease oncall workload by **10%**
- Skills used: **Python, SQL, Typescript, AWS, Java, Git, Agile**

Amazon   June 2021 - August 2021
Software Development Engineer
- Created an AWS CDK package to programmatically deploy cloud resources for a customer data correction tool
- Developed API calls using AWS Lambda and API Gateway that allowed users to perform CRUD actions on **~100MM** records and reducing monthly computing costs by **70%** compared to previous tool.
- Created responsive website to interface with API calls using React components and Typescript
- Architected site-security solutions using Cognito and IAM to prevent unwanted access to customer data
- Decreased monthly support tickets issued to team by **20%** by onboarding this self-service tool to required stakeholders
- Skills used: **Java, Typescript, React, AWS, Git, Agile**

PROJECTS

- **LoveTalk, CodePath Capstone Project |** *React, Supabase, NodeJS, Netlify, HTML, CSS, Javascript*:
  o Built a web forum using React and NodeJS for fans of the show Love is Blind
  o Automated application deployment and version control using Github CI/CD and Netlify
  o Implemented RESTful API calls to store and fetch data using Supabase
- **Tweet Virality Predictor, Cloud Computing Project |** *Pyspark, GCP, Pandas, Numpy, Matplotlib, Scikit-learn*:
  o Used Twitter API in conjunction with Pyspark to concurrently process 100,000+ tweets per minute with real-time feedback (<20 ms) to try to predict user engagement with given tweets.
  o Extracted data and performed virality analysis using Numpy, Pandas, and Scikit-learn
  o Visualized live-time virality analysis and predictions using Matplotlib
- **Thepolitcalmarket.tech, Full-Stack - Software Engineering Class Project |** *AWS, React, Javascript, NodeJS*:
  o Worked in a team of 5 to build a website that allowed users to track political contributions and stock portfolios of US Congressmen
  o Responsible for website and backend server hosting on AWS EC2
  o Implemented backend logic using Express and Javascript

EDUCATION

The University of Texas at Austin, Austin, TX   May 2023
Bachelor of Science, Computer Science, Minor in Business Administration and Spanish   *GPA: 3.8*
        Relevant Coursework: Data Stuctures & Algorithms, Cloud Computing, Software Engineering, Operating Systems, Computer Archecture, Human Computer Interaction, Statistics, OOP, Ethical Hacking, Machine Learning

LEADERSHIP & COMMUNITY INVOLVEMENT

Austin Venture Strategy, Austin, TX   January 2021 - December 2022
Senior Product Manager
- Collaborated with local startups to identify product-market fit and increased customer base by **~200** in 1 month
- Advised startups on how to scale using cloud services and architected a cloud deployment solution
- Mentor undergrad members in full-stack development technologies commonly used by startups