

Nelson Koskela
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PROFESSIONAL SUMMARY

Results-driven **Software Engineer II** with 3+ years of experience designing and delivering robust software solutions in **Python**, **SQL**, and **AWS** environments. Proven success in automating data workflows, optimizing analytics pipelines, and ensuring compliance for enterprise-scale financial systems. Adept at collaborating in **Agile** teams to drive efficiency, scalability, and innovation across complex software ecosystems.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML, CSS, SQL, Swift
Frameworks & Libraries: Flask, Bootstrap, React, Ruby on Rails
Tools & Platforms: AWS, Git, Unix/Linux, Xcode, Unity, Google API
Methodologies: Agile, DevOps, CI/CD, Object-Oriented Programming
Databases: SQLite3, PostgreSQL

PROFESSIONAL EXPERIENCE

J.P. Morgan Chase & Co. – Software Engineer II, Corporate & Investment Banking

Houston, TX | July 2022 – Present

- Engineered and maintained data pipelines and analytics tools supporting regulatory and client reporting, processing multi-terabyte datasets across global business units.
- Optimized data processing efficiency by 25% through Python-based automation and AWS Lambda integration, enhancing real-time analysis capabilities.
- Collaborated in cross-functional Agile teams to design and deliver features aligned with financial compliance standards.
- Streamlined DevOps deployment workflows and contributed to CI/CD improvements, reducing release cycle time by 20%.
- Partnered with downstream teams to ensure data quality, security, and alignment with regulatory compliance requirements.

StreetCode Academy – Diversity & Inclusion Officer & Freelance Developer

Remote | Fall 2020 – Fall 2022

- Developed responsive web applications using HTML, CSS, and JavaScript, enhancing customer engagement and usability.
- Applied Agile Scrum methodology to plan sprints, track progress, and deliver client solutions on time.
- Managed logistics and database tracking systems for internal inventory, improving item tracking accuracy by 30%.

PROJECTS

Beeznest – GitHub: <https://github.com/nellykelly/BezzNest>

- Built a B2B networking platform using Ruby on Rails and SQLite3, facilitating inter-company communication.
- Awarded 2nd place at StreetCode Accelerator Demo Day for product innovation and design.
- Continued development into market research and business strategy.

Timed-Squares – Demo: <http://tinyurl.com/nhsjcdh>

- Designed and implemented a turn-based puzzle game using JavaScript/Processing and Python/Pygame, incorporating dynamic movement algorithms for interactive gameplay.

EDUCATION

Cogswell Polytechnical Institute – B.S. in Computer Science | 2019 – 2022

Relevant Coursework: Data Structures, Database Systems, Linux Programming, Software Engineering Methods

Howard University – B.S. in Computer Science (Transferred) | 2017 – 2019

Relevant Coursework: Large Scale Programming, Game Design, Affective Computing