George Tsimis

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SUMMARY

Experienced Full Stack Software Engineer with a Master's in Mathematics who has led projects, in a start up environment, leveraging Java, Spring Framework, Node.js, TypeScript, and React.js, while collaborating with various internal teams/stakeholders, to build scalable and secure applications that focus on providing an intuitive and pleasant user experience.

SKILLS

AWS, Draw.io, Docker, Figma, Git, Github, GraphQL, HTML5, Intercom, Java, JavaScript, Jest, Jira, Kubernetes, Mantine, MongoDB, Next.js, Node.js, PostgreSQL, Plaid, Pulumi, React.js, React Testing Library, Ruby on Rails, SQL, Spring Framework, Tailwind CSS, Twilio, TypeScript

EDUCATION

Queens College of the City University of New York

Master of Science in Mathematics   Sept 2021
- Oral Examination proving knowledge mastery completed on Theory of the Integral and Numerical Analysis coursework

App Academy

Full Stack Software Engineering curriculum emphasizing Ruby on Rails, SQL, JavaScript, React.js, Data Structures & Algorithms   Nov 2021

Queens College of the City University of New York

B.A. in Accounting - Minor in Economics, B.A. in Mathematics (Honors)   Sept 2019, June 2016

PROFESSIONAL EXPERIENCE

Aspen Capital, New York, NY

Software Engineer **(AWS, PostgreSQL, Java, Spring, Node.js, JavaScript, TypeScript, React.js)**   Aug 2022 – Present
- Project lead to enhance phone system (Twilio API), during Q2 & Q3 2023, from making one-time payments to also saving bank accounts and configuring autopay. Added internal logging, improved error handling, and significantly cleaned up code base. Reduced borrower wait time, when calling to process payment, from over an hour to zero. Monthly payments processed / revenue collected averages 3K+ / $5M+
- Maintain / update user-facing app (Java, Spring, TypeScript, React.js, Next.js, Tailwind CSS, Jest), with 19K+ active users & growing adoption, allowing borrowers to manage aspects related to their loan. Monthly payments processed / revenue collected averages 11K+ / $20M+
- Project lead for building nightly remittance process on AWS, during Q4 2023 & Q1 2024, significantly enhancing efficiency and security, compared to previous process, by being hosted on the cloud. Added logging, through slack, so internal team can track process. Automated task to inform borrowers of payment status once processed, eliminating need for internal team to call borrower when a payment fails
- Maintain / update backend API (Java, Spring) for user-facing / internal apps and microservices (Java, Spring, Node.js) handling the nightly statement generation process for borrowers. Microservices assessed every loan (25K+) each night to determine if a borrower needed a late fee and / or monthly statement PDF created. Participated in a weekly rotational on-call for microservices
- Added feature that allows admins to configure autopay on behalf of borrowers in internal app (JavaScript, TypeScript, React.js, Next.js, Tailwind CSS) for loans with various statuses (i.e. current, bankruptcy, commercial), requiring different input parameters and backend logic (Java, Spring, PostgreSQL) depending on loan status
- Collaborated with teams across the business to understand needs, and create realistic plans to complete projects. Participated in software design and architecture discussions. Reviewed team members' pull requests and provided feedback to improve code quality

LynxDx, Inc., Ann Arbor, MI (Remote from New York)

Software Engineer I **(PostgreSQL, Node.js, GraphQL, JavaScript, TypeScript, React.js, Next.js)**   Feb 2022 – July 2022
- Assisted in rebuilding Laboratory Information Management System in 3 months from ground up, allowing scientists to track experiments done on blood samples related to Covid / Prostate Cancer testing. Modern technologies, more robust error handling / testing, and better software engineering principles resulted in improved performance, scalability, and user experience for the application
- Re-architected database tables and designed new associations between them, resulting in the elimination of duplicate / unnecessary tables and the existence of the same data point in multiple tables.
- Added over 60% of frontend and backend unit tests assuring that existing code was not affected when adding new features

Moody's Corporation, New York, NY

Financial Data Analyst   July 2018 – July 2021
- Ensured accuracy, consistency, and analytical value of a portfolio of 300+ public and private business entities
- Liaised with senior analysts to resolve queries about financial data used in the ratings process
- Managed and supported an offshore team that performed data entry, by analyzing their work, making corrections, and providing feedback

City University of New York, New York, NY

Mathematics Adjunct Lecturer   Aug 2016 – Dec 2017
- Taught undergraduate classes (approx. 35 students) in elementary algebra, college algebra & trigonometry, pre-calculus, and calculus
- Created course syllabi and lectures in alignment with CUNY standards to ensure students performed their best on departmental exams
- Designed homework problems of varying difficulty to reinforce concepts learned in class