

GOUTHAM DEVA

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Career Summary

Senior Software Engineer with over five years of experience in full-stack development. Expert in **Python, Swift, Java, SQL, HTML/CSS/JS and Node JS** with a proven track record in building out front and back end mobile applications and full cycle internal products. Experienced in leading employees to produce B2C finance products.

Education

MBA, Quantic School of Business and Technology, Washington DC
BS, Computer Science, Worcester Polytechnic Institute, Worcester, MA

June 2022 - October 2023
August 2015 - June 2019

Work Experience

Fidelity Investments, Boston, MA

Senior Digital Assets Engineer, Fidelity Labs

Jan 2023 - Present

- Built a Swift-based digital asset aggregator app using **SwiftUI, Async/Await**, and **MVVM** architecture, preparing for an imminent App Store launch projected to serve over 100,000 users.
- Created multiple internal tools, including a dashboard actuator to democratize vendor outage alerts, boosting team awareness and improving project tracking efficiency by 80%.
- Developed an analytics dashboard using **Firebase** and **Pendo** to democratize digital asset usage insights across the firm, enabling data-driven decision-making and improving transparency.
- Designed and optimized **RESTful API** endpoints, improving response times by 15% through efficient coding practices and ensuring seamless app performance.
- Led multiple teams of engineers to develop a BTC IOS mobile social wallet using **Agile** methodology.

Blockchain Engineer, Fidelity Center for Applied Technology (FCAT)

June 2022 - Dec 2022

- Built and deployed Solidity smart contracts for a staking derivative prototype, configuring Ethereum Node hardware and software to test and gain insights into staking mechanics and operational requirements.
- Contributed to DeFi projects with Fidelity FCAT's Blockchain Incubator team, including writing scripts for DeFi arbitrage strategies and researching staking methodologies for future blockchain initiatives.

Software Engineer Fidelity Investments

June 2019 - June 2022

- Developed and optimized mutual fund **RESTful APIs** using **Spring MVC**, deploying to **AWS EKS** and reducing response times by 15%, while enhancing scalability and performance for internal and external clients.
- Designed and implemented the Periodic Investments API using **OOAD**, partnering with cross-functional teams to deliver tailored solutions for diverse consumer requirements.

NVIDIA, Santa Clara, CA

Software Engineering Intern

Jan 2019 - Mar 2019

- Improved Tegra Boot and Power Management Processor (BPMP) codebase to achieve safety requirements under MISRA and ISO 26262 standards.

Projects

ContractAid: Automated Solidity Auditor

March 2024

- Developed a Solidity defect detection tool, winning top-three under the privacy award category at ETHDenver Hackathon 2024.

SolarChain

November 2022

- Developed a DAO platform during the OpenAI Climate Change Hackathon using GPT-3 APIs and prompt engineering, enabling community voting on solar supply chain policies and delivering insights to support affordable solar energy initiatives.

WPI Capture The Flag (CTF) Cybersecurity Platform

April 2019

- Designed and managed the WPI CTF platform, engaging over 600 global participants and fostering a collaborative environment to enhance cybersecurity skills.