

GOUTHAM DEVA

IOS MOBILE/DIGITAL ASSETS ENGINEER

Passionate blockchain/software developer looking to make a difference in customer facing products with three years work experience. Looking to pursue back end engineering or smart contract developer role.

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Education

Quantic School of Business and Technology June 2022 to Current
Master of Business Administration
Extremely selective: of 50,000 applicants in 2019, fewer than 5% were admitted — a lower acceptance rate than Harvard Business School or Stanford Graduate School of Business.

Worcester Polytechnic Institute Aug. 2015 to May 2019
Bachelor of Science in Computer Science
Dean's List Fall 2017 and Spring 2018

Skills

CORE LANGUAGES

Swift
SwiftUI
Python
Solidity
SQL
JavaScript
HTML/CSS

TOOLS AND SKILLS

Amazon Web Services (AWS)
Terraform
Jenkins Core
Apigee
Git
Rancher
Spring Boot Framework
Swagger
Datadog
Maven
JIRA

LICENSES & CERTIFICATIONS

The Machine Learning Pipeline on AWS Completion
Coursera Machine Learning (Stanford University)
AWS Certified Cloud Practitioner (CLF)
Microsoft Certified: Azure Fundamentals
Capture the Flag | Hack & Learn Advoqt Completion
Certified Scrum Product Owner (CSPO)

Employment

Fidelity Investments

IOS Mobile/Digital Assets Engineer

Boston, MA
June 2022 to Current

- iOS Development Expert: 3+ years crafting robust, user-friendly native iOS applications using Swift, with knowledge of SwiftUI and Async Await
- Designing clean, maintainable APIs and implementing MVVM architecture for scalable, modular iOS applications with Fidelity Labs Stealth Startup
- Developed Solidity smart contracts for multiple projects with Fidelity labs (Internal start up)
- Setup Ethereum Node hardware and software for Solo Staking Experiments
- Developed DeFi Projects with FCAT (Fidelity Research Team) Blockchain Incubator team.

Software Engineer

Merrimack, NH
June 2019 to June 2022

- Worked on modernizing multiple REST APIs deploying to AWS EKS and Rancher 2.3 for internal and external clients under the Mutual Funds team
- Wrote Periodic Investments API and worked with multiple consumers to determine their information needs
- Lead Mutual Fund labs team to develop internal proof of concepts webservicees
- Hands-on experience developing new RESTful web services using Java frameworks such as Spring MVC
- Enjoys fast paced environment, customer driven, and self-motivated to drive the development of highest standard

NVIDIA

Software Engineering Intern

Santa Clara, CA
Jan. 2019 to Mar. 2019

- Improving Tegra Boot and Power Management Processor (BPMP) Code Base to achieve safety requirements under MISRA and ISO 26262 standards

Analog Devices

Software Engineer Fall Co-op

Boston, MA
Sept. 2018 to Dec. 2018

- Assisted in building an RC model autonomous vehicle for trade show demos. Configured SLAM algorithm and with Lidar, IMU, and Camera sensors.
- Worked with ROS (Robotic Operating System) using NVIDIA Jetson TX2 and NVIDIA Drive Px1 Model.

Worcester Polytechnic Institute

Information Security Specialist

Worcester, MA
Nov. 2017 to May 2018

- Assisted in building Splunk Queries to uncover security issues
- Built Python based web crawlers to collect statistic for information security team
- Writing reports and documentation for Gitlab Projects

Projects

Contract Aid: Automated Solidity Auditor

Mar. 2024 to Current

ContractAid is a Solidity Audit Checker that automates the detection of critical operational and transactional defects in Solidity code, following specified Solidity Checklist criteria. Integrated with Github Actions, the project achieved 4th place in the Privacy category and 8th place overall at ETHDenver 2024.

Rank Choice Voting Project

Aug. 2021 to Nov. 2022

Collaborating with a team of software engineers to develop a not-for-profit web app designed to quickly create and edit ranked choice voting polls. Developing Backend with Firestore and building RESTful API with Golang.

WPI Cybersecurity CTF 2018 and 2019

Apr. 2018 to Apr. 2019

Hosted WPICTF 2018 and managed 600 teams as admin answering participant questions. Used Google Cloud, Docker, and python scripts to host and handle all the challenges. One of the moderators WPICTF 2019. In addition, made Web challenges that required knowledge of exploiting PHP vulnerabilities.

RANKIT ~ A Machine Learning Ranking Analytics Tools

Aug. 2017 to May 2018

Developed front end views and back end connection to machine learning application. Project consists of three individual applications including interactive views, machine learning, and a database component. Takes in user inputted data and evaluates info through machine learning to provide best form of ranking view.

CAESAR ~ Context-Aware Event Stream Analytics Project

Dec. 2016 to May 2017

Managed and developed Front end and connected back end build of Project CAESAR model views. The application model can query heavy amounts of big data and provide queries, analytic, and interactive views to help the user identify areas of most frequent information.

Activities

Cyber Security Club · President and former Vice President/Treasurer

Sept. 2016 to Jan. 2019

- As President, I help instruct fellow members on exploring multiple approaches to take on security challenges.
- I also create CTF Challenges for Students to learn about common vulnerabilities, specifically in Web.
- I help to fund Capture the Flag competitions and facilitate security lecture events to help promote the club.