

GOUTHAM DEVA SOFTWARE ENGINEER

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

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Education

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

Python
Java 11/8
Golang
SQL
HTML5
CSS
JavaScript

TOOLS AND SKILLS

Amazon Web Services (AWS)
Git
Rancher
Spring Boot Framework
Swagger
APIGEE
Jenkins CI/CD
Datadog
React
Node.js
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

Software Engineer

Merrimack, NH
June 2019 to Current

- 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 webservices
- 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

Worcester Polytechnic Institute

IT Specialist

Worcester, MA
Sept. 2016 to Nov. 2017

- Assisted in resolving customers issues with hardware, software, and networking
- Researched client issues to resolve complaints promptly
- Supported faculty and students via technical support calls

Projects

Rank Choice Voting Project

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.

Aug. 2021 to Current

WPI Capture the Flag 2019

One of the moderators WPICTF 2019. In addition, made Web challenges that required knowledge of exploiting PHP vulnerabilities.

Mar. 2019 to Apr. 2019

WPI Capture the Flag 2018

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.

Jan. 2018 to Apr. 2018

RANKIT ~ A Machine Learning Ranking Analytics Tools

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.

Aug. 2017 to May 2018

CAESAR ~ Context-Aware Event Stream Analytics Project

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.

Dec. 2016 to May 2017

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.