Vennila Pugazhenthi

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PROFESSIONAL EXPERIENCE

Software Engineer Analyst
Goldman Sachs   March 2022 - Present
- Developed reactive microservices backend using Spring Webflux and Project Reactor.
- Implemented authentication and authorization using Spring Security.
- Implemented various automated testing such as unit testing, performance testing, stress testing, and integration testing.
- Utilized Infrastructure as Code (IaC) with Terraform to create firewall rules and system accounts.
- Configured and integrated HashiCorp Vault for storing service credentials.
- Implemented HashiCorp Vault-Agent for hydrating the credentials in the servers.
- Configured HAProxy for custom routing and load-balancing.
- Write scripts for creating automated daily scheduled jobs to run using Terraform.
- Set up Gitlab pipelines for CD/CD.
- Set up dev, QA, and prod environments for testing and deploying.

Software Engineer
Starship Health Technologies, LLC   Jan 2021 - March 2022
- Developed Android and iOS mobile applications using React Native, and websites using ReactJS for Navigational Assistance to Patients.
- Configured Keycloak's OAuth2.0 auth protocol to authenticate and authorize users.
- Contributed to the development, testing, and extension of various application modules.

EDUCATION

Bachelor of Science in Computer Science   GPA: 3.74/4.00
The Pennsylvania State University, University Park, PA
Dean's List: 2017- 2021
Graduated: May 2021

WEBSITE   https://vennilap.com/

SKILLS

Programming Languages: C#, C, C++, Java, Python, Rust, Racket
Frontend: HTML, CSS, JavaScript
Backend: Django, Flask, MongoDB, MySQL
Frameworks: ASP.NET Core, Angular, Spring Boot, React
App Development: React Native, Flutter, Android Studio
Embedded Programming: Verilog, MATLAB
Streams API: Apache Kafka

PROJECTS

GitHub: https://github.com/VennilaPugazhenthi
- A Chrome extension that adds search functionality to any website.
- PocketLawyer: A web app that acts as a smart voice recorder and text transcriber. **[2nd place at HackPSU & Winner of Nittany Ai Alliance Challenge]**

ACHIEVEMENTS   Recipient, HackPSU (2nd place) and Nittany Ai Challenge (1st place)

Recipient, Penn State Women in Engineering "The Most Innovative Design" 2019

Recipient, Penn State University "The President's Freshmen Award" 2018