

Emerson Joseph Summe Walsh

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Professional Experience

Capital One | People Tech (Washington D.C.)

November 2020 - Present

Senior Software Engineer (Full Stack)

- Served as the tech lead for Capital One's interview platform, Canvas, built using AWS, React, Tailwinds, Node, and GraphQL
- Provided interviewers with consistent guides and the ability to submit candidate feedback, standardized ratings, and offer decisions – responsible for facilitating an average of 12,000 interviews per month
- Built integrations with Salesforce for scheduling interviews, Workday for facilitating offers, and Capital One's Data Warehouse for audit and data analysis
- Developed a custom drag & drop solution within Salesforce used to schedule candidate interviews using Lightning Web Components and Apex, integrating with Google Calendar and Zoom

Deloitte Consulting, LLP | Deloitte Digital (Washington D.C.)

July 2017 – November 2020

Software Engineer (Front-End)

Semantic Open Source Software (SEMOSS) [semoss.org]

- Served as the Front-End lead of an open-source, web-based, end-to-end analytics platform used to blend, collect, prep, analyze, and visualize data for 20+ commercial and federal clients, built using AngularJS, SCSS, and Java
- Designed and developed the entire visualization library including 36 interactive and customizable visualization types
- Led client interviews to receive usability feedback and trained 250+ SEMOSS users to help grow the platform

U.S. Army - ArmyIgnitED [armyignited.com]

- Collaborated with a team of 30 developers to build a responsive web application used by 130,000+ Soldiers of the U.S. Army to discover learning courses and apply for tuition assistance, built using Angular 8, Bootstrap CSS, and Java

U.S. Department of Agriculture – Integrated Food Management System (IFMS)

- Developed a custom checkout UI using Lightning Web Components for the point-of-sale system providing food for 90,000+ Native Americans, and managing inventory at Indian Tribal Organizations

Government IoT Market Offering – Enterprise Digital Tracking

- Built a custom web application using React, Material UI, and AWS to demo Deloitte's real-time location tracking capabilities of indoor assets using IoT devices to improve throughput efficiency and enhance shop visibility

Pangiam [pangiam.com]

- Developed and deployed a static website using Nunjucks to showcase Pangiam's travel consulting services and press

Oceaneering International Advanced Technology (Hanover, MD)

June 2016 - August 2016

Mechanical Engineering Intern

- Worked on a team of 12 engineers to build a \$7 Million unmanned, subsea vessel funded by DARPA
- Performed design optimization using computer-aided design to reduce the cost of the primary buoy system by 20%

Smart Vibe Tennis | Personal Design Project (JHU & University of Berkeley)

August 2015 – June 2017

Inventor

- Awarded the JHU Student Initiatives Fund Grant to develop a "smart" vibration dampener for tennis rackets
- Developed a mobile prototype using a 9-axis inertial measurement unit, 3D printing, and injection molding capable of wirelessly streaming data to analyze a player's performance and output statistics, as well as recognize shot types

Johns Hopkins University

B.S. in Mechanical Engineering

Class of 2017

- GPA: 3.72 / 4.0
- Four-time NCAA All-American & Team Captain (2016-2017 season) of the Men's Varsity Tennis Team
- Two-time recipient of the JHU Student Initiatives Fund Grant (2015 & 2016)

Skills & Interests

- Software:** JavaScript & TypeScript (React, Angular, Vue, Lightning Web Components), HTML5, CSS/SCSS, Nunjucks, Node, Express, GraphQL, SQL, Apex, Python, R, MATLAB, Computer-Aided Design
- Infrastructure:** AWS (Lambda, RDS, SQS, SNS, CloudWatch, S3, VPC, IAM, Route 53, CodeDeploy), MongoDB, Salesforce
- Development Tools:** VSC, Git, Jenkins, Docker, Webpack, Vercel, Netlify, Heroku, WordPress, Okta, InVision, JIRA
- Favorite Front-End Libraries:** Next.js, Material UI, React Drag & Drop, Tailwinds, ECharts, D3.js, WebGL, FullCalendar
- Personal Interests:** Skiing, Pickleball, Shopify & Travel