

PROFESSIONAL SUMMARY

Software engineering graduate with hands-on experience in Web development technologies. Passionate about learning modern techniques with a problem-solving attitude. Designed and developed cloud focused software development through Microservices. Skilled in Java, object-oriented programming & Microservices architecture. I have an excellent ability to translate business requirements into technical solutions. Have strong understanding and experience in Agile methodology. I am looking to contribute and grow with a highly talented team.

PROFESSIONAL EXPERIENCE

Software Developer, Intern

@ Mybook

Summer 2019

- Designed and developed MyBook's product page using Adobe XD, HTML, SCSS, Bootstrap4, JS.
- Worked extensively in Spring MVC framework and RESTful API for the integration of java Microservices.
- Used Spring JDBC API to connect Java microservices with MySQL database.
- Transformed business requirements and designed specifications using UML and sequence diagrams.

Mobile App Developer, Intern

@ Canvera

Fall 2017

- Designed the UI and UI components for Canvera iOS app using Xcode.
- Gained knowledge of all phases of mobile app development (Design, development, testing and deployment).

EDUCATION

George Mason University

M.S. Software Eng.

Aug 2018 – Dec 2020

OO Software Spec. & Const.

Component Based Software Dev.

Secure Software Design and Dev.

UI Design & Development

Agile Dev & DevOps

Software Eng. in world wide web

Sri Krishna College of Eng. & Tech

B.E. Computer Science

Aug 2014 – Mar 2018

TECHNICAL PROFICIENCY

Certifications: Core Java, C, C++.

Programming Languages: Java, JavaScript, Python, JSP, HTML, CSS, SQL, C, C++, Swift 3.

Databases: mySQL; **NoSQL:** MongoDB, Amazon DynamoDB, Amazon RDS.

Servers: Apache HTTP, Apache Tomcat, Node.js, NGINX.

Cloud: AWS (EC2, S3, API Gateway, Lambda, DynamoDB, ElastiCache, RDS), Heroku

Components & Frameworks: Spring MVC, Spring boot, Microservices, Jenkins CI/CD, RESTful Web services, Docker, Spring Security JWT, SonarQube, REST API, React, Angular, Java Servlets, Kubernetes, Git, Bootstrap, Mockito, JUnit, JPA Hibernate, jQWidgets, PMD, OWASP ZAP, OpenSSL, TensorFlow, Laravel.

PROJECTS [<https://github.com/Avinash-Murugappan>]

- **DevOps focused E-commerce software:** (2020)
 - Our project's objective was to build an integrated software system using the latest in agile development tech.
 - Our project is an enterprise and cloud focused software development through microservices and DevOps with an automated CI/CD pipeline deployed in AWS web service.
- **Go Game** (2019)
 - As part of a team, developed a board game that can be played securely over a TCP/IP network
 - Our solution involved user authentication, data encryption using SSL / TLS protocol checking for software and security vulnerabilities using tools like PMD, OWASP ZAP, monitoring legality of game moves.
- **Sai Baba Q&A App** (2019)
 - Developed a spiritual fortune telling iOS app using Xcode and Swift 3.