

Baalavignesh Arunachalam (He/him)

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PROFESSIONAL SUMMARY

Self-motivated full-stack developer with a strong background in cloud computing, mobile and web development. More than two years of demonstrated industrial experience on all project scales. Actively participated and won in several hackathons demonstrating teamwork and strong problem-solving skills.

EDUCATION

George Mason University

Master of Science in Computer Science

Virginia, United States

August 2024 - Present

PSG College of Technology

5 years integrated M.Sc. Software Systems; CGPA: 7.8/10.0

Coimbatore, India

June 2018 - May 2023

SKILLS & TECHNOLOGIES

Technologies: JavaScript, TypeScript, Python, Flutter, C, C++, ASP.NET, Dart, AWS

Skills: React, Angular, Next.js, Node.js, GitHub, Lambda, DevOps, Firebase, MongoDB, SQL

EXPERIENCE

Presidio, Inc.

Associate Software Engineer

March 2023 – July 2024

- Developed internal learning platforms and retro tools using **React** and **AWS** using a serverless approach.
- Worked on projects with technologies involving **WebRTC**, designing **CI/CD pipelines** and mobile app development.

Toast, Inc.

Software Developer Intern

June 2022 – July 2022

- Worked with **React** and other AWS services to develop a full-stack application
- Application data is managed and accessed using API Gateway, **Lambda** and **DynamoDB**

Zoho Corporation

Software Developer Intern

May 2021 – November 2021

- Created an **angular** application with state management and authentication for an internal voting system
- Developed an Impact Analyzer tool using **Node.js** for git commits to track the impacted files

PROJECTS

SkillAgent

Personalized Learning Platform for Workforce Development

- Developed a full-stack application using **React** and **Node.js**, with **Firebase** for storage and authentication.
- Integrated **OpenAI's Assistant** and **Threads** feature and hosted the application on **AWS S3** (React) and **EC2** (backend).

Secure FileStore

Secure drive to store files and track the version updates

- Developed a **Python** app that stores files and data with two layers of encryption.
- Stored user info and files in **AWS Relational DB** and **S3 Buckets** file versioning helps users track old files.

IMDB Review

Filter the Reviews of IMDB using Sentiment Analysis

- Utilized **Python** in **Kaggle** for **text preprocessing**, and machine learning with **Logistic Regression** and **Decision Tree**.
- Used packages like **Matplotlib** and **Seaborn** for data visualization of ROC curve and confusion matrix.

CERTIFICATION & ACHIEVEMENTS

- AWS Certified Solution Architect and Cloud Practitioner** issued by Amazon Web Services Training and Certification
- Won Best Prototype Award** in **Story3 Hackathon** conducted by **HackerEarth**
- Won Honorable Mention** in **DataPalooza Hackathon** conducted by **DevPost**