

ARUNBALAJI SRINIVASAN

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EXPERIENCE

Cloud Computing Co-op, Manulife/John Hancock

Jan 2021 - Jun 2021

- Automated the migration of existing tag values to new key/value pairs, effectively reducing manual effort by 50%.
- Developed scripts to test the Private Endpoints decreasing the time required to look up the domain name server from 1 hour to 5 seconds. Automated the creation of Private Link resources with a Private Endpoint using Terraform.
- Created custom policy definitions to enforce Security practices, developed automation scripts to test the policies.
- Leveraged Knowledge in Microsoft Azure, Terraform, Azure CLI, PowerShell, Python, GitHub, VS Code.

Software Engineer, Capgemini Technology Services

Jun 2016 - Jun 2019

- Collaborated project development to securely manage over 115 private credit card accounts using the TDD methodology.
- Built a payment portal using Spring that provided the user an amenity to complete the payment process during planned or unplanned maintenance, decreasing the customer drop-offs for these products by 8%.
- Identified and fixed 100+ bugs/errors in the development process, improving software quality and end-user experience.
- Enhanced the user experience by fine-tuning stored procedures and SQL queries for efficient data retrieval from records accessed over 80M customer accounts.
- Created, designed and performed comprehensive test procedures to ensure the quality of the product before release.
- Leveraged Knowledge in Java, Spring, Maven, Python, MySQL, RESTful APIs, HTML/CSS, JavaScript, JUnit Testing, Scrum, Git, Splunk, Windows, Linux.

Software Engineer Intern, Capgemini Technology Services

Feb 2016 - May 2016

- Optimized performance of existing ETL processes and SQL queries to fetch more robust extracts from the database.
- Built a custom feedback page using Spring, improved the performance of legacy back-end by replacing it with MongoDB.
- Reduced web page load time by 5% through redesigning the application by applying web optimization techniques.
- Leveraged Knowledge in Full Stack Web Development, Git, Java, Spring Boot, MongoDB, HTML, CSS, JavaScript.

PROJECTS

Amazon Web Services - Microservices

- Developed a full-stack application using Node.js and Express that allows users to easily upload, filter, and share images.
- Designed RESTful backend server enabling images to be stored persistently in Amazon Relational Data Service and S3.
- Refactored the app to incorporate secure authentication with microservices using bcrypt, deployed it to Amazon AWS.
- Utilized: Node.js, JavaScript, REST API, PostgreSQL, EC2, Elastic Beanstalk, DevOps, Docker, Kubernetes, Linux.

Spring MVC - Job Search

- Created a job portal application using Spring MVC architecture that allows students to easily apply for jobs.
- Implemented backend using Spring MVC controllers, functionality to access data from MySQL server using Hibernate.
- Utilized: Java 8, J2EE, Spring, XML, RDBMS, MySQL, Hibernate, JSP, CSS, Maven, Tomcat 8, Windows, Eclipse.

Java - Help Out

- Developed a portal using Swing that forms a network between medical services thereby creating easy user accessibility.
- Integrated Webcam API allowing users to effortlessly capture and create a profile picture using the device camera.
- Utilized: Java, Swing framework, MongoDB, Object-Oriented Concepts, Linux, Eclipse IDE.

MERN Stack - Petitions

- Created a React web application with Node.js and Express that allows users to file, update, and track petitions.
- Built REST API endpoints to create and query data from MongoDB, integrated PayPal Sandbox to simulate payments.
- Utilized: Node.js, Express, MongoDB, JavaScript, ES6, React, TypeScript, Windows, VS Code.

EDUCATION

Master of Science, Information Systems

Sep 2019 - Aug 2021

Northeastern University

GPA: 3.81

Bachelor of Engineering, Computer Science

Jul 2011 - May 2015

Anna University

COURSEWORK

- Advanced Data Structures, Design & Analysis of Algorithms, Object Oriented Programming, Design Patterns
- Web Development, Advanced Database Management Systems, Network Structures & Cloud Computing, DevOps

SKILLS

Back-end: Java(proficient), Python, Spring, Hibernate, Node.js, PostgreSQL, MySQL, MongoDB, GitHub, Linux

Front-end: HTML/CSS, JavaScript, ReactJS, jQuery, AJAX, XML

Cloud & DevOps: Amazon Web Services (AWS), Microsoft Azure, Terraform, Docker, Travis CI, Kubernetes, JIRA

Agile Methodologies: Scrum, Kanban