Stephen Blake Adams

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Work Experience

The Vanguard Group
Full Stack Software Developer II (03/2020 - 08/2021),
Senior Software Developer (08/2021 - Current)

03/2020 - Current
Charlotte, NC

- Identified bottlenecks and optimization opportunities in slow-performing microservice and increased request performance by 60% by introducing asynchronous workflows in independent branches.
- Developed multiple SVG-based data visualizations using D3.js in a Node.js microservice that provided point-in-time asset allocation, success rate, and balance trend information for financial advice clients.
- Implemented responsive-first and browser backwards compatible Angular UI for financial advice clients to contribute and withdraw money from financial goals on a multitude of devices.
- Taught a series of bootcamp sessions to new developers at Vanguard on various topics such as Node.js, Splunk, RESTful API services, and manual request testing with Postman and Postman collections.
- Worked on various Java Spring Boot microservice endpoints for the purpose of allowing financial advice clients to integrate cash flow from their banks to their investment accounts aligned toward their financial goals.

University of Mississippi
Software Developer

08/2015 - 03/2020
Oxford, MS

- Designed and implemented a scalable and flexible online system using PHP for server-side rendering, JavaScript for client-side asynchronous dynamic rendering, and MySQL for the database tier that is used for collecting, aggregating, and analyzing accreditation specific information for Education students.
- Sanitized, re-structured and migrated a large amount of historical accreditation information to ensure data integrity for the various accreditation processes for each of the Education degree programs to this new system.

Central Service Association
Software Engineer

11/2014 -08/2015
Tupelo, MS

- Developed an AngularJS application with a .NET WCF services back-end allowing utility companies to digitally manage their employee timesheets and payroll systems.
- Created a native Android mobile application using the Java SDK allowing the customers of utility companies to track usage information and forecast consumption and billing information.

Education

M.S. in Computer Science
University of Mississippi

2012 - 2014

B.S. in Computer Science
University of Mississippi

2010 - 2012

Professional Certifications
AWS Certified Developer - Associate, AWS Certified Solutions Architect - Associate

Technologies and Languages

- **Languages:** TypeScript, JavaScript, SQL, Java, PHP, Python, Ruby, C#, HTML, CSS
- **Technologies:** AWS, Git, Visual Studio Code, Spring Tool Suite, Eclipse
- **Frameworks, Libraries:** Angular, Gatsby, React, Ruby on Rails, NestJS, D3.js, Node.js