Abhishek Ram Muthukrishnan

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KEY SKILLS

Enthusiastic and detail-oriented software developer with a strong foundation in software development principles and hands-on experience. Passionate about building scalable and efficient applications, solving complex problems, and continuously learning new technologies. Seeking an opportunity to contribute to innovative projects and grow as a software developer in a collaborative environment.

Languages: Java, C#, Python, Typescript, JavaScript, Swift.
Cloud Technologies: Azure DevOps Services, AWS, Terraform, Docker, Kubernetes Jenkins, CI/CD.
Frameworks: .NET, Spring boot, Xamarin.
Databases: SQL, Oracle, MS Access, SQL Server, MYSQL, PostgreSQL.
Web Technologies: HTML 5, CSS, XAML, Angular, Bootstrap, Web Services, REST API.

EXPERIENCE

- **Software Developer** *(TATA Consultancy Services Limited)*

  Hitachi Energy, Raleigh, NC   Mar 2023– Present
  Technologies: .NET, SQL Server, EF Core, Angular, Azure
  - Worked extensively with development, analysis, and troubleshooting Hitachi business managed applications, utilizing C# .NET, VB .NET, Visual Studio, and Linqpad.
  - Responsible for the R&D, creation, and maintenance of many of the critical applications at the factory.
  - Created documentation to address common technical issues, reducing the number of technical support inquiries by 15%,
  - Built dynamic and responsive Angular UI components with reactive forms, state management, and lazy loading for improved performance.
  - Implemented unit tests using Jasmine/Karma and xUnit to ensure code reliability, achieving 30% test coverage.
  - Designed and implemented RESTful APIs in .NET Core to handle test data generation, validation, and export functionalities.
  - Collaborated with senior developers to fix bugs, write unit tests, and improve application performance.
  - Updated applications with the latest .NET libraries to ensure code reusability and maintainability.
  - Developed role-based authentication and authorization using JWT and Identity Server.
  - Collaborated with development, QA, and operations teams using TFS to ensure seamless project delivery.
  - Managed web deployments to IIS servers and Azure PaaS App Services, leveraging Web Deploy.

- **Software Developer** *(TATA Consultancy Services Limited)*
  UPS, Atlanta, GA   Mar 2021 – Feb 2023
  Technologies: .NET, Angular, Xamarin, Azure, SQL Server
  - MVC Application Development and Maintenance using ASP .NET Core.
  - Working in an Agile Environment to plan and estimate work at different levels (story, sprint, release).
  - Developed highly interactive, responsive front-end applications using Angular, Typescript, and RxJS, supporting thousands of user interactions monthly.
  - Developed secure authentication and authorization using JWT, OAuth 2.0, and Role-Based Access Control within application, significantly enhancing security and compliance.
  - Worked on development of applications for Android and iOS, with Xamarin forms.
  - Provided analysis for implementation of Xamarin functionalities.
  - Integrated third party API's such as Google Maps, Stripe etc.
  - Identified and resolved a high latency issue in a legacy feature. Achieved a 40ms latency reduction by implementing lazy loading for asset images and refactoring the module to eliminate redundant calls.
  - Integrated RESTful APIs and backend services seamlessly using Angular's HttpClient, managing complex asynchronous data streams and ensuring reliable data handling.
  - Automated build and deployment pipelines using Azure DevOps and App Center.
  - Collaborated with cross-functional teams to deliver project features on time.

- **Android Developer Intern** *(Vintek Solution)*   *July 2017 – Feb 2018*
  - Collaborated with a team to create an e-commerce app prototype integrating Firebase Auth for user login and Retrofit for product API calls.
  - Designed responsive UI with XML, leveraging RecyclerView for hourly/daily forecasts, reducing load time by 25%.
  - Conducted UI testing with Espresso and modularized code for scalability.
  - Implemented user authentication and optimized battery usage by 30% using background services

EDUCATION

- **DePaul University**   Chicago, IL
  Master of Science in Computer Science   *Nov 2020*
- **Anna University**   India
  Bachelor of Technology in Information Technology   *Jun 2017*