Yangsoo Song

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WORK EXPERIENCE

Abiomed, Danvers, MA   Aug `20 – present
Software Engineer II
- Architected, led, developed, tested, and deployed a SOC 2 type-compliant audit logging solution, resulting in significant monthly cost savings of $10,000 (Enhanced query efficiency and maximized Azure resource utilization, surpassing the capabilities of the legacy logging system)
- Design software for analysis using aggregated data to enhance product performance
- Develop intricate algorithms for validating AI model predicting arterial pressures in patients
- Contribute to architecture, design, development, and maintenance of IoT Cloud Solution to support multiple medical devices
- Achieved 95% code coverage, surpassing the 50% target in the prediction project

Software Engineer I
- Achieved 30% code volume reduction via refactoring with improved readability, reusability, and design pattern implementation
- Consolidated API endpoints to prevent human errors, eliminate duplicates, and enhance usability, resulting in a 15% reduction in testing time and decreased development time
- Support clinicians with a cloud web portal to monitor device performance and automated critical patient event alerts. (utilized in over 600 hospitals in US, Japan, and EU)
- Acquired expertise in building cloud-based platforms on Azure using .NET Core (C#), MVC, AngularJS, Kubernetes, Git/GitLab, and Docker, among other cutting-edge technologies

Eastern Analytics, Norwell, MA   Apr `20 – Aug `20
Data Engineer
- Designed and executed dataflows and pipelines, integrating diverse data sources (Amazon, Shopify, Google, etc.) using SQL Server, Azure Data factory, blob storage and SSIS Packages
- Streamlined client data access by performing data modeling, testing, and developing efficient data pipelines (ETL) using Azure DevOps, Data Factory, Blob Storage, and storage accounts

The Widernet Project, Durham, NC   Apr `20 – Aug `20
Software Developer
- Collaborated with WiderNet's programming team to enhance the Egranary Digital Library—a valuable offline web collection designed for individuals in developing countries without internet access
- Conducted thorough testing of the existing stack (CIP Editor) to ensure compatibility with PHP 7 and Java. Successfully modified the codebase to accommodate the required changes

Harbourvest Partners, Boston, MA   Jul `18 – Dec `18
Software Engineer
- Demonstrated proficiency in developing and optimizing stored procedures, tables, and VS tests using SQL Server, Visual Studio (C#), and LINQ to SQL for the data conversion project
- Continuously enhanced and improved the existing codebase to ensure optimal performance
- Developed a TSQL stored procedure for an innovative address parsing utility, efficiently calling the Google Geocoding API; This transformative solution improved performance, reliability, and reduced code volume by 80%

SKILLS / PROJECTS

Languages: Java, C#, Python, JavaScript, Elixir, SQL, HTML, CSS
Software: Docker, Kubernetes, Jenkins, Git, Azure, MSSQL, .Net, Visual Studio, Vim

EDUCATION

Harvard University, **Extension School**, Cambridge, MA   Jun `22 – present
Master of Liberal Arts in Computer Science

Northeastern University, Boston, MA   Dec `19
Khoury College of Computer and Information Science
Bachelor of Arts in Computer Science, Minor in International Affairs