Alexander Simmons

Senior Backend Developer

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📍 Odessa, Texas, United States 📅 February 19th, 1991

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🪪 Professional Summary

Experienced backend developer with 8 years of expertise in developing and maintaining scalable backend systems using a variety of programming languages and frameworks.

Skilled in integrating APIs and third-party services to enhance application functionality and improve user experience.

Proficient in designing and optimizing databases, implementing CI/CD pipelines, configuring cloud infrastructure, and collaborating with cross-functional teams to ensure efficient project management and timely delivery of features.

🎓 EDUCATION

Bachelor of Computer Science,   April 2009 – April 2013
The University of Texas Permian Basin 🔗   Odessa, TX, United States

Earning my degree from The University of Texas Permian Basin provided me with a strong foundation in computer science and prepared me for a successful career in software engineering.

💼 Professional Experiences

Senior Backend Engineer(Asp.Net, Django | C#, Python,   April 2022 – August 2023
Azure), NBCUniversal   Los Angeles, CA, United States

- Spearheaded the design of middleware for a communication safety platform focused on sensitive data exchange.
- Employing a microservices architecture across C# and ASP.NET, I oversaw the development of asynchronous pipelines to process message data streams using Azure Services Bus for queueing.
- Working with a small team of two other engineers, we refactored monolithic Python Django services into Dockerized microservices deployed on Azure Kubernetes Service.
- This transition ensured high availability and scalability through containerization and Kubernetes orchestration.
- Moreover, I integrated AI functionality with PostgreSQL and Azure Blob Storage by designing standardized RESTful APIs in C#.
- To enhance security and stability, I updated all projects to utilize the latest version of our company's JWT authentication standard implemented in C#.

- This revamp significantly strengthened authorization across the platform's microservices architecture handling sensitive datasets.

Senior Backend Developer(Asp.NET, SpringBoot, Azure | C#, Java), Mythical Games

August 2018 – December 2021
Austin, TX, United States

- Designed and implemented software solutions that effectively met client needs, resulting in increased customer satisfaction and repeat business.
- Collaborated closely with team members and stakeholders to ensure successful project delivery, fostering a collaborative and productive work environment.
- Developed robust applications using Java and Spring, capable of efficiently handling large volumes of data, improving system performance and reliability.
- Utilized the Java EE stack for enterprise-level development, incorporating technologies like JPA for seamless database access and JMS for efficient messaging.
- Built high-performance applications using C# and .NET leveraging services like Azure Event Hubs and Service Bus for messaging and workflows.
- Leveraged the ASP.NET framework for web development, utilizing technologies such as Entity Framework for streamlined database access and SignalR for real-time communication.
- Utilized Azure services including Azure App Service, Azure Blob Storage, and Azure SQL Database to ensure scalable and reliable application deployment.
- Effectively managed containerized applications using Docker and Azure Kubernetes Service, enabling easy deployment and scalability while maintaining system stability.

Backend Developer(Spring Boot, Flask, AI | Java, Python), Techvera

April 2014 – December 2017
Odessa, Texas, United States

- Leveraged the Spring ecosystem to build efficient software solutions, utilizing modules such as Spring Boot, Spring MVC, and Spring Data.
- Developed widely kind of microservices using Flask and integrated with AI project.
- Collaborated effectively with a team of developers, fostering a positive and productive work environment to deliver high-quality software solutions.
- Actively participated in agile development processes, including daily stand-ups, sprint planning, and retrospectives, contributing to efficient project management and delivery.
- Conducted thorough code reviews to identify and address potential issues, ensuring code quality and maintainability.
- Collaborated with team members to establish coding standards and best practices, promoting consistency and efficiency in development processes.
- Utilized automated testing frameworks and tools to ensure the reliability and stability of software solutions.

Freelancer
- 2021 - 2022 (Flutter, React, Express.js | Dart JavaScript)
    - Developed a point-of-sale (POS) system utilizing modern web frameworks to provide a comprehensive solution for businesses. For the backend, I chose the Express web application framework for Node.js to build robust APIs with security and scalability in mind.
    - For the user-facing side, I employed both React and Flutter to create responsive interfaces optimized for different devices.
    - By leveraging the strengths of modern JavaScript, Dart and web technologies, I was able to craft an intuitive POS system for companies.
- 2017 - 2018 (OpenCV, Chrome Extension | C++ Python JavaScript)

- Developed a program that restores damaged images by using patch patterns.
- Created a program that detects foreign objects from vehicle floor images captured by an integrated camera.
- Developed a chrome extension that can decrypt encrypted data and distribute it offline, allowing users to securely access sensitive information without an internet connection.
- 2013 - 2014 (OpenCV, WPF, Qt | Python C++)
  - Developed and implemented computer vision algorithms using OpenCV to achieve accurate object detection and recognition in real-time applications.
  - Developed desktop applications using WPF, creating visually appealing and user-friendly interfaces.
  - Worked on engine development projects using C++ and Qt, building robust and efficient engines for various applications so that optimize performance, implement rendering pipelines, handle physics simulations, and integrate with other systems.

Tech Skills

- JavaScript / TypeScript / Express.js / Node.js / Microservice
- Python / Django / Flask / PyTorch / TensorFlow / OpenCV / PyQt / Engine
- Go / Gin / Concurrency / Microservice
- SQL / MySQL / PostgreSQL / RDS(AWS) / Oracle
- Docker / Kubernetes / Jenkins / CI, CD / Helm
- NoSQL / MongoDB / DynamoDB(AWS)

- Java / Spring Boot / JPA / Hibernate / gRPC / Microservice
- C++ / Engine / System / OpenCV / Qt / Application
- C# / Asp.Net / Net Maui / WPF
- AWS / EC2 / RDS / S3 / Lamda / DynamoDB / EKS
- GCP / GKE / Function / Firestore / Vision API
- Dart / Flutter , JavaScript / Chrome Extension

Courses

Data Structures and Algorithms   2014 – 2015 | Online
   Assisted over 25 students on a weekly basis with their homework assignments, which required implementing a wide range of data structures and algorithms.

Languages

English   ● ● ● ● ●

Interests

Music | Book | Game