

Bingzhen Li

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SUMMARY

Aspiring Master of Science in Computer Science graduate with substantial hands-on experience in software development, specializing in Java, Python, and full-stack technologies. Demonstrates exceptional skills across a broad range of programming languages and frameworks, honed through rigorous internships at competitive, high-profile companies. Proven track record in delivering innovative solutions in projects utilizing React, Spring Boot, and cloud services, showcasing a strong blend of technical expertise and soft skills. These include advanced problem-solving, adaptability, and effective teamwork in fast-paced environments. Eager to apply this robust skill set and practical insights in a dynamic and challenging tech environment, aiming to drive technological advancements and contribute to impactful projects.

SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript

Web Technologies: HTML5, CSS, JQuery

Frameworks & Libraries: React, Angular, Flask, Spring Boot (MVC, IoC, AOP, Spring JDBC, Spring Data JPA, Spring IO), Redux, Flowbite, Tailwind CSS, NestJs, NGRX

Database Systems: MongoDB, MySQL, Redis

Cloud & DevOps: AWS, Docker, Git

Others: Algorithms, Web Programming, Machine Learning

EXPERIENCE

Full Stack Software Engineer | Anote.ai | Remote | June 2023 - December 2023

- Led full-stack development with React, Redux, Node.js, Flask, Spring Boot, and MySQL.
- Boosted user engagement by integrating AI in 'AutonomousNewsletter' for personalized content.
- Enhanced UI interactivity with dynamic designs using Flowbite and Tailwind CSS.
- Improved system scalability and efficiency with Java-based Spring Boot microservices.
- Automated customer interactions using RESTful APIs, Twilio, and GPT AI.
- Managed robust data processes with Flask and Hibernate in MySQL.
- Orchestrated scalable Docker deployments in AWS, leveraging EC2 and Elastic Beanstalk.
- Implemented Agile methodologies for rapid development and high-quality software delivery.

PROJECTS

AutonomousNewsletter | Anote.ai | June 2023 - December 2023

- **Description:**
 - AutonomousNewsletter is a state-of-the-art web platform designed to enhance user engagement through AI-driven, personalized newsletter content generation. It automates the process of gathering and delivering news based on individual user preferences.
- **Responsibility:**
 - Orchestrated the development of the platform using React, React Router Dom, Redux, Node.js, and Flask, focusing on creating a responsive and intuitive user experience.
 - Pioneered the integration of AI algorithms for content personalization, resulting in a 50% increase in user engagement.
 - Implemented Redux for sophisticated global state management, effectively reducing backend load and enhancing application performance.
 - Designed captivating user interfaces with Flowbite and Tailwind CSS, which led to a notable improvement in user satisfaction.
 - Developed a drag-and-drop interface using react-dnd-html5-backend for easy customization of newsletter layouts, greatly enhancing user interactivity.
 - Utilized Flask for backend JSON data handling and integrated ChatGPT for dynamic and contextually relevant content generation.
 - Administered MySQL for storing user data and content, ensuring data integrity and security.

Upreach (Customer Interaction Management System) | Anote.ai | June 2023 - December 2023

- **Description:**
 - The Upreach project is a web application that streamlines lead generation by using natural language queries to provide targeted search results. It offers advanced filtering to refine searches and utilizes GPT for crafting personalized emails, enhancing outreach effectiveness. The project entailed developing a robust and scalable backend system for managing customer interactions and automating responses.
- **Responsibilities:**
 - Led the Java backend development using Spring Boot, focusing on building a microservice-based architecture for efficient handling of customer interaction data.
 - Engineered a solution using the Spring Framework, which streamlined the integration of services and managed complex backend workflows.
 - Implemented a series of RESTful APIs using Spring MVC, improving the system's scalability and responsiveness to customer interactions.
 - Integrated Twilio for handling real-time communication and leveraged GPT AI for generating automated, context-aware responses.
 - Utilized Hibernate with Spring Data JPA for effective data management in MySQL, optimizing data access and persistence.
 - Configured Docker containers within AWS EC2 instances, ensuring a scalable and flexible deployment environment using Elastic Beanstalk.
 - Applied Agile development practices, emphasizing continuous integration and deployment, which significantly reduced time-to-market and improved software quality.

EDUCATION

Master of Science of Computer Science | 3.6 GPA | Stevens Institute of Technology | 2023

Bachelor of Science of Computer Science | Economics and Business | Cornell College | 2021