Benjamin Micol

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SKILLS

Languages: Javascript, Typescript, Ruby, Python

Frameworks: Node.js, React, Rails, Next.js, Express.js

Cloud: Heroku, Google Cloud, AWS, Twilio

Tools: PostgreSQL, GraphQL, Jest, Rspec, Cypress

Soft Skills: Communication, Problem-Solving, Collaboration

PROFESSIONAL EXPERIENCE

Software Engineer
Align Technology   **February 2021 – Present, Raleigh, NC**

· Co-engineered an automated translation API using Ruby on Rails, handling 1.5 million requests and 320,000 translations per month and decreasing designer-client lead time by 89%.
· Created a robust payment gateway API utilizing Node.js and Express to implement secure payment processing and subscription management, ensuring a reliable payment experience.
· Implemented a database caching solution for a critical application, reducing response time by 22% and cutting annual third-party API costs by 54%.
· Developed a multichannel chat-bot solution using Twilio Cloud and Google Dialogflow, leading to a 45% reduction in customer support lead times.
· Utilized Python and data libraries like Pandas to transform bulk translation data into usable datasets for custom language models resulting in a 22% improvement in translation quality.
· Designed custom call recording solution using Twilio Cloud and AWS S3 Storage, resulting in a 48% reduction of monthly storage costs.

Web Developer
Self-Employed   **June 2018 – January 2021, Durham, NC**

· Implemented responsive and user-friendly front-end interfaces using HTML5, CSS3, JavaScript, and React, incorporating design frameworks such as Bootstrap to enhance visual appeal and functionality.
· Demonstrated expertise in optimizing website performance by employing techniques like lazy loading, image compression, and code minification, resulting in significantly improved loading times.
· Rigorously tested and debugged web applications to ensure seamless cross-browser compatibility, guaranteeing a consistent and smooth user experience across various platforms and devices.
· Leveraged SQL proficiency to create and maintain databases, utilizing queries and migrations to uphold data integrity and maximize system performance.

Software Developer
Ecommerce Innovations, LLC   **June 2015 – May 2018, Durham, NC**

· Designed, developed, and maintained multiple SaaS applications using Javascript and Ruby on Rails, resulting in scalable and user-friendly software solutions.
· Integrated Stripe payment processing and subscription billing models, enabling secure and seamless financial transactions within SaaS platforms.
· Developed RESTful APIs for third-party integrations and ensured API security through token-based authentication and rate limiting.
· Wrote comprehensive unit tests and integration tests using RSpec, Jest, and Cypress to maintain code quality and reliability.
· Designed and optimized database schemas using ActiveRecord, ensuring efficient data storage and retrieval.

EDUCATION

Bachelors of Science in Business Administration - Business Management / Entrepreneurship

Minor in Supply Chain Management · Appalachian State University · Boone, NC · 2015