John Grubbs

Full-Stack Software Engineer

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SUMMARY

Experienced Full-Stack Software Engineer skilled in developing sophisticated web applications and API services using JavaScript, Python, PHP, Ruby, and SQL. Expertise in creating scalable, secure applications with a focus on performance and maintainability. Proficient in frontend frameworks like React and Angular, backend frameworks such as Flask, FastAPI, Node.js and Ruby on Rails, and SQL databases including PostgreSQL, and MySQL. Experienced with AWS for efficient, RESTful service hosting. Committed to best practices and collaborative teamwork, with a continuous pursuit of new technologies to enhance development.

TECHNICAL SKILLS

- **Languages & Frameworks**: Python, FastAPI, Flask, JavaScript, React, Node.js, PHP, Laravel, Ruby, Ruby on Rails
- **Databases**: SQL, PostgreSQL, MySQL, Redis
- **Tools & Platform**s: GitHub, Docker, GitLab, AWS Cloud Web Hosting Services, Linux

PROFESSIONAL EXPERIENCE

Pop Acta Media, Lead Software/Systems Engineer
Jan 2021 – Present
Improved Processes:
- Automated reporting processes for 1M+ active subscribers.
- Automated revenue data collection and aggregation using internal and external API services.
- Designed and developed a new internal web application capable of connecting multiple external APIs to deploy and track email data, reducing $750k in annual costs.
- Created a SMS/MMS sending platform that increased Pop Acta sending capacity 10x and increased revenue by more than 400% in one year.

Application Design:
- Design full-stack RESTful applications for both internal tools and client facing services. This includes frontend, backend, and database infrastructures.
- Created AWS Cloud infrastructure to host internal company applications and external facing services.

Application Engineering:
- Design, develop, test, and maintain API services in Python FastAPI and Flask for internal data management and data pipelines.
- Build and maintain frontend applications in React JS, and Flask to streamline internal processes and accommodate external partner integrations and improvement requests.
- Integrated existing and newly created infrastructure with internal and external API services to streamline data pipelines and increase throughput.
- Manage and design database schemas for application and data warehousing.

Security:
- Developed frontend applications and API services with user authentication and database level permissions.
- Setup and maintain AWS Cloud server security and monitoring.

Application Services:
- Design, Develop and maintain AWS cloud infrastructure through a CI/CD pipeline, leading to improved uptime and system reliability.

DXC Technology, Full-Stack Software Engineer
Feb 2019 – Sep 2020
Application Development:
- Contributed to a team developing a standalone desktop app to map comparisons between two data sets of PDF and text file formats, ensuring the accuracy of output reports.
- Wrote data parsers using React/JS to convert text files into objects for apples-to-apples comparisons.
- Used Salesforce to build an application that tracks car rentals for Enterprise, utilizing the Salesforce marketplace to implement QR codes for vehicle tracking.

- Built a UI for Enterprise employees using APEX and HTML.

Application Engineering:
- Streamlined solution development and shaped technical direction in team discussions.
- Adhered to scrum methodology for development planning and execution.

Application Services:
- Managed and maintained applications, ensuring reliable performance and stability.

EDUCATION

University of Houston, Houston TX
Computer Science Program
Oct 2023 – Present

Flatiron School, Houston, TX
Full-stackWeb Development Program
Sep 2018 – Jan 2019

Program Overview:
- Attended a highly intensive and immersive program ranked the best bootcamp in the industry by Course Report (2017-2020).

Curriculum and Skills Acquired:
- Full-Stack Development:
  - Frontend: Gained proficiency in HTML, CSS, and JavaScript frameworks (React, Angular) to create dynamic and responsive user interfaces.
  - Backend: Mastered backend technologies including Ruby on Rails and Node.js for building robust and scalable server-side applications.
    Database Management: Developed skills in SQL databases, learning how to design, manage, and optimize databases.

Application Design and Engineering:
- Designed and implemented full-stack applications, integrating frontend and backend systems with databases to create seamless and efficient web applications.
- Worked on projects involving RESTful APIs, enhancing skills in API design, development, and integration.

Development Methodologies:
- Adopted agile methodologies, including scrum, to plan, develop, and execute projects efficiently.
- Engaged in pair programming and code reviews to foster collaboration and ensure high-quality code.