David Venegas - Senior Full Stack Software Engineer

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SUMMARY

5+ years experience developing complex applications, data-driven analytics, and DevOps infrastructure. With a proven track record of designing, architecting, and building from start to finish scalable and effective systems that solve technical problems.

TECHNICAL SKILLS

Javascript • Typescript • React • Angular • NodeJS • Python • Flask • Django • GoLang • C/C++ • Docker • SQL • MongoDB
PostgreSQL • Rust • Redis • Java • C# • .NET • UI/UX • REST • GraphQL • Cybersecurity • Git • Cloud • DevOps • AWS • Linux

RELEVANT EXPERIENCE

Stoke Space Technologies   Seattle, Washington
Senior Full Stack Engineer   *05/2023 - Present*
- Engineered and optimized software for high-cadence aerospace manufacturing and rigorous hot-fire rocket engine testing
- Maintained 24/7 operational integrity of systems, delivering rapid < 30-minute hotfixes to uphold stringent reliability standards
- Collaborated closely with UX designers and multidisciplinary teams to conceptualize and ship operation-vital functionalities
- Incorporated CI/CD end-to-end and unit testing, cutting cycle time by 25% and markedly reducing production bugs by 40%

Renegade.Bio   Berkeley, California
Senior Software Engineer   *04/2022 - 05/2023*
- Built the organization's software presence from the ground up, maintaining open lines of communication with stakeholders
- Software lead for the end-to-end software development life cycle, responsible for growing the team from 2 to 8 engineers
- Orchestrated numerous high-availability deployment pipelines with GitLab CI/CD and Docker, ensuring +99.999% uptime
- Architected secure MFA authentication systems for 50k+ users, safeguarding sensitive HIPPA-compliant operational data

AxonBytes   Orlando, Florida
Full Stack Engineer   *12/2020 - 04/2022*
- Took on increased responsibility, deciding technology stacks and design implementations, acted as PM for several projects
- Developed and deployed ultra-responsive front-end user interfaces, which improved workflow and efficiency of global teams
- Responsible for scaling applications on Linux servers, ensuring optimal performance, and handling on-call responsibilities
- Performed root-cause analysis to debug systems, which progressed the development of new products and reduced incidents

2ndWatch Corporation   Chicago, Illinois
Associate Software Engineer   *09/2018 - 12/2020*
- Transformed UX/UI designs into 20+ functional applications, working tightly with dozens of multi-disciplinary stakeholders
- Maintained legacy monorepos, upgraded outdated frameworks to newer versions, and split bloated code into microservices
- Used Git for version control to maintain code integrity across multiple development stages, participated in pair-programming
- Utilized agile methodologies to organize tasks, optimize workflows, and accelerate high-quality delivery of software solutions

PROJECTS

ChatGPT Microphone - [Github Repo](#) | [Live Demo](#) - *Adds voice-to-text and efficiency-boosting shortcut snippets to ChatGPT*
- Developed an open-source voice-to-text integration for the popular ChatGPT website, attracting 5k+ users and top ratings
- Used DOM manipulation, Chrome Dev Tools, and browser APIs to ensure personal data never leaves the user's computer

GrokAI Technologies - [Github Repo](#) | [Live Demo](#) - *AI-powered semantic search platform for massive document collections*
- Utilized vector embeddings, Flutter, and Redis caching to develop latency-sensitive ML services, powering semantic search
- Collaborated closely with 16-year NASA engineer co-founder, deciding core features and adapting to shifting AI landscape

EDUCATION

Massachusetts Institute of Technology   *Cambridge, Massachusetts*
Extensive courses covering Cloud Computing, DevOps, & software design   2019 - 2020

Flatiron Engineering School   *Manhattan, New York*
Full Stack Software Development, JavaScript, React, Django, Python, SQL & more   2018 - 2019

LICENSES & CERTIFICATIONS

CompTIA Security+ - Computing Technology Industry Association   [View Certificate](#)
A globally recognized license that validates skills necessary to perform core security functions

AWS Certified Cloud Practitioner - Amazon Web Services   [View Certificate](#)
The foundational accreditation from the world's largest cloud provider