

David Venegas - Senior Software Engineer | Fullstack Software Engineer

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SOFTWARE ENGINEER

Experienced Software Engineer proficient in full-stack application development, data-driven analytics, and DevOps infrastructure. Possess strong attention to detail and critical thinking to solve complex software problems efficiently - www.davidmvenegas.com

TECHNICAL SKILLS

Python • JavaScript • TypeScript • React • Angular • Node.js • Django • Flask • C/C++ • Docker • Kubernetes • Apache • MongoDB • SQL • PostgreSQL • Cassandra • Redis • Java • C# • .NET • UI/UX • REST • gRPC • Cybersecurity • Git • Cloud • Linux • DevOps

EXPERIENCE

Renegade.Bio

Senior Software Engineer - Team Lead

Berkeley, California

08/2022 - Present

- Utilized Docker and Kubernetes to orchestrate 5+ high-availability applications, employing YAML files for resilient deployment
- Led end-to-end Software Development Life Cycle (SDLC), from designing RESTful APIs to implementing CRUD applications
- Designed robust CI/CD pipelines with Jenkins and AWS, accelerating development by over 30% in high-stakes environments
- Architected secure MFA authentication systems for 8000+ users with OAuth and JWT, safeguarding sensitive operational data

AxonBytes

Full Stack Developer - Solutions Engineer

Orlando, Florida

02/2021 - 08/2022

- Engineered a reliable data-reporting platform with TypeScript, React, and PostgreSQL, efficiently handling 1TB+ of data daily
- Utilized Redux and Zustand for advanced state management, improving the maintainability of mission-critical applications
- Constructed ultra-responsive user interfaces with Next.js and GraphQL, improving data rendering times by more than 50%
- Responsible for scaling core applications on Linux servers, ensuring optimal performance for 20K+ users during peak traffic

2ndWatch Corporation

Software Engineer - Associate Developer

Seattle, Washington

09/2018 - 02/2021

- Transformed complex Figma designs into 15+ functional applications with MERN-stack, MySQL, Apache, and NX Framework
- Developed complex software modules using Python, Django, and C++, strategically ensuring system efficiency and reliability
- Utilized Git for version control, facilitating effective team collaboration and code integrity across multiple development stages
- Incorporated Agile methodologies for optimizing workflows and accelerating high-quality software solutions delivery by 40%

TECHNICAL PROJECTS

ChatGPT Microphone - [Github Repo](#) | [Live Demo](#) - Adds voice-to-text and efficiency-boosting shortcut snippets to ChatGPT

- Leveraged JavaScript, React, and Astro to develop a dynamic UI/UX, incorporating automatic voice-to-text integration
- Employed Docker, Jupyter Notebooks, and NLP for robust and scalable AI development, testing, analytics, and deployment
- Implemented Agile and Test-driven development methodologies, contributing to user base growth and notable time savings

GrokAI Technologies - [Github Repo](#) | [Live Demo](#) - AI-powered semantic search platform for massive document collections

- Utilized Python, C++, PyTorch, and Redis caching for developing latency-sensitive ML models, powering semantic search
- Harnessed Ansible and Terraform to streamline development of complex AI components, ensuring scalability and efficiency
- Collaborated with a 16-year NASA engineer co-founder, ensuring high-quality outcomes with Scrum and Pair Programming

EDUCATION

MIT Professional Education - Cloud & DevOps

Cloud Computing, DevOps, software design, and cutting-edge industry tools & methodologies

Boston, Massachusetts

2021 - 2022

Flatiron School - Fullstack Software Engineering

Full Stack Web Development, JavaScript, React, Redux, Django, Python, SQL & more

NYC, New York

2018 - 2019

CERTIFICATIONS

Certified Cloud Practitioner - AWS (Amazon Web Services)

The foundational accreditation from the world's largest cloud provider

[View Certificate](#)

CompTIA Security+ - Computing Technology Industry Association

A globally recognized certification that validates skills necessary to perform core security functions

[View Certificate](#)

QUALIFICATIONS

- Fundamental grasp of mobile-first design principles, cross-browser development, and search engine optimization (SEO)
- Extensive experience debugging, practicing test-driven development, and implementing Agile & SCRUM methodologies
- Capable of building applications from the ground up, with expert proficiency in Git version control & Linux command lines