

# Alan George

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**Full Stack Web Developer with over three years of experience in JavaScript, TypeScript, and Node.js; transitioned from a Critical Care Flight Paramedic role demonstrating adaptability under pressure. Spearheaded the development of six APIs that maintained 99.9% uptime for hundreds of daily users while achieving a 30% speed increase and a 20% reduction in data load time through legacy codebase overhaul. Certified Software Engineer with a commitment to continuous learning and innovative problem-solving approaches in software development.**

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## Websites, Portfolios, Profiles

- <https://www.linkedin.com/in/alan-e-george/>
- <http://www.github.com/HWCronicus>

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## Skills

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|--------------------|---------------------------|
| • Typescript       | • JavaScript              |
| • NodeJS           | • React                   |
| • NextJS           | • Electron                |
| • PostgreSQL       | • DynamoDB                |
| • Git              | • Docker                  |
| • AWS Web Services | • Application Development |
| • API integration  | • RESTful APIs            |

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## Work History

### Full Stack Web Developer

*SimX, Remote*

*July 2022 - November 2025*

- Orchestrated the development of 4 robust APIs from scratch utilizing Typescript and Node.JS, interfacing with both SQL and No-SQL databases; maintained 99.9% uptime and availability.
- Engineered data migration scripts handling over one hundred thousand records between databases securely with zero downtime, allowing seamless updates that increased database integrity when integrating legacy systems into modern architectures.
- Overhauled existing codebase for enhanced performance, improving software maintainability; triaged and resolved 15 critical production bugs, ensuring system stability for over 1000+ users.
- Pioneered the implementation of 30+ novel features, collaborating with product teams for future products, and accelerate the delivery of enhancements to bi-weekly sprints.
- Developed functional databases, applications and servers to support websites on back-end.
- Championed automated testing strategy, generating 100+ unit test cases using Jest and Supertest; improved code coverage to 80% and diminished post-release defects by 25%.

### Full Stack Software Engineer

*Trainsquare, Remote*

*January 2022 - July 2022*

- Developed and implemented file storage solution, integrating AWS S3 with .NET and C# API, which reduced file access time by 30%.
- Engineered a RESTful API using .NET and C# to interact with SQL database tables, handling 100+ API requests per day.

- Designed and built UI components with React.JS and Bootstrap, increasing user engagement by 15%.
- Created dynamic user form and survey creation functionality using elements from multiple React.JS libraries to include Formik, Bootstrap, React Bootstrap, and Yup.
- Performed development, debugging, optimization and automation to support implementation of products and applications.

### **Critical Care Flight Paramedic**

*United States Army, Savannah, United States*

*April 2008 - January 2022*

- Performed wide range of specialized functions and complex assessments, diagnoses, therapies and emergency treatment of patients transported by rotor-wing aircraft.
- Provided leadership, delegation and exceptional medical service in high-pressure situations.
- Provided emergency medical care and conducted physical exams and interviews to gain medical history and relevant health data.
- Maintained team flexibility and embraced change to adapt within dynamic environments.
- Treated 30+ patients being transported by air on average each month.
- Completed 200 continuing education courses each month to maintain relevant knowledge.

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## **Education**

Certified Software Engineer in Software Engineering January 2022

Veterans Technology Education Courses (VET TEC), US Army, Remote