

# Jonathan Alvarez

Huntsville, Alabama

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## Profession Summary

Full-stack software developer with experience building enterprise and government-focused applications using React.js, Java, Micronaut, Python, Django, SQL, and Power BI. Experienced in frontend development, backend services, dashboard visualization, SQL-based data validation, and business intelligence reporting. Skilled in translating complex business requirements into scalable technical solutions across defense and healthcare environments.

## Active Secret Security Clearance

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## Technical Skills

**Frontend:** React.js, Next.js, JavaScript, TypeScript, Material UI, Highcharts, Recharts, HTML, CSS

**Backend:** Java, Python, Micronaut, Node.js, Express.js, Django, REST APIs, Tomcat

**Databases & Analytics:** PostgreSQL, Oracle, MongoDB, SQL, Power BI, Data Validation, Data Visualization

**DevOps & Tools:** Docker, Kubernetes, Terraform, Jira, Git

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## Professional Experience

### Axient / Astrion — Mid-level Software Developer

Huntsville, Alabama | April 2023 – Present

- Develop and maintain full-stack enterprise applications using React.js, Java, Micronaut, PostgreSQL, Docker, and Kubernetes in support of government and defense-related projects.
  - Design and build interactive dashboards and data visualizations using Power BI, Highcharts, Recharts, and Material UI to support operational analysis, workforce metrics, qualification tracking, and business intelligence reporting.
  - Perform SQL-based data analysis and validation to ensure Power BI dashboards remain accurate and aligned with source-of-truth database systems.
  - Write complex SQL queries to troubleshoot data discrepancies, validate relationships, confirm aggregation accuracy, and support reporting integrity across multiple datasets.
  - Collaborate with stakeholders to translate business requirements into frontend visualizations and analytical reporting solutions.
  - Develop reusable React components and frontend features while improving application usability, responsiveness, and maintainability.
  - Create and maintain unit tests for frontend and backend services to improve software reliability and reduce regression issues.
  - Support backend API development and microservices integrations using Micronaut and Kubernetes-based infrastructure workflows.
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### Junior Developer — VA Hospital

Grand Junction, Colorado | May 2021 – October 2022

- Collaborated with a small development team to build and maintain responsive web applications using React.js, Node.js, Express.js, MongoDB, and CSS.
- Developed frontend interfaces and reusable UI components focused on usability, accessibility, and responsive design principles.

- Created and updated backend routes, middleware, and controllers using Node.js and Express.js.
  - Improved and modernized legacy veteran support applications used to locate in-network healthcare providers outside the VA system.
  - Worked within MVC architecture patterns to support maintainable and scalable application development.
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### **Junior Frontend Developer — Vita-Stat LLC**

Louisville, Kentucky | September 2019 – April 2021

- Developed frontend user interfaces using JavaScript, React.js, HTML, CSS, and design mockups to deliver consistent and user-friendly healthcare applications.
  - Retrieved and displayed data from REST API endpoints within dynamic UI components.
  - Created unit tests using Jest to improve application reliability and reduce software defects.
  - Contributed to improving user experience consistency across healthcare-related software applications.
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### **Project Manager — Vita-Stat LLC**

Louisville, Kentucky | January 2017 – September 2019

- Managed large-scale healthcare software implementations while coordinating timelines, stakeholder expectations, budgets, and project requirements.
  - Traveled to client sites to support software deployments and provide technical guidance on best practices.
  - Communicated technical concepts and implementation details to non-technical stakeholders and end users.
  - Assisted clients with onboarding, troubleshooting, and operational support during software rollouts.
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### **Education**

#### **Bachelor of Science — Public Health**

University of Louisville | 2013 – 2017

#### **Bachelor of Science — Kinesiology**

University of Louisville | 2013 – 2017