Curriculum Vitae - Computer Engineer | United States Houston

# Curriculum Vitae

## John D. Smith

**Computer Engineer | United States Houston | Expertise in Software Development and Systems Architecture**

## Professional Summary

A dedicated Computer Engineer with over 8 years of experience in designing, developing, and maintaining advanced software solutions tailored for the dynamic tech landscape of the United States Houston. Specializing in full-stack development, cloud infrastructure, and system optimization, I am passionate about leveraging cutting-edge technologies to drive innovation in industries such as energy, healthcare, and fintech. As a Computer Engineer rooted in Houston's thriving tech community, I bring a unique blend of technical expertise and problem-solving acumen to every project. My goal is to contribute to the growth of technology-driven enterprises in the United States while aligning with the strategic needs of Houston's evolving digital ecosystem.

## Technical Skills

* **Programming Languages:** Python, Java, C++, JavaScript, SQL
* **Web Development:** React.js, Node.js, Django, RESTful APIs
* **Cloud Platforms:** AWS (Amazon Web Services), Azure (Microsoft)
* **Systems Architecture:** Designing scalable and secure infrastructure for enterprise applications
* **Data Analysis Tools:** Pandas, Tableau, Power BI
* **Certifications:** AWS Certified Solutions Architect, Cisco CCNA, Scrum Master (CSM)

## Work Experience

### Senior Computer Engineer

*EnergyTech Solutions Inc., Houston, TX | January 2019 – Present*

* Led the development of a cloud-based energy management system for Fortune 500 clients in the United States Houston, improving operational efficiency by 40%.
* Designed and implemented scalable microservices architecture using Docker and Kubernetes, reducing deployment time by 30%.
* Collaborated with cross-functional teams to integrate AI-driven analytics into existing systems, enhancing predictive maintenance capabilities for industrial clients.

### Computer Engineer

*TechNova Systems, Houston, TX | June 2016 – December 2018*

* Developed and maintained web applications for healthcare clients in the United States Houston, ensuring compliance with HIPAA standards.
* Optimized database performance by restructuring SQL queries and implementing indexing strategies, resulting in a 25% reduction in load times.
* Spearheaded the migration of legacy systems to cloud infrastructure, minimizing downtime and reducing maintenance costs by 20%.

### Junior Computer Engineer

*GlobalSoft Solutions, Houston, TX | January 2014 – May 2016*

* Assisted in the development of a real-time data analytics platform for financial institutions in the United States Houston.
* Provided technical support for software deployment and troubleshooting, achieving a 99.5% customer satisfaction rate.
* Contributed to open-source projects focused on improving accessibility and usability in educational technology tools.

## Education

### Bachelor of Science in Computer Engineering

*University of Houston, Houston, TX | Graduated: May 2014*

* Relevant coursework: Data Structures, Network Security, Embedded Systems, and Software Engineering.
* Recipient of the Dean’s List award for three consecutive semesters.

### Certifications

* AWS Certified Solutions Architect – Associate (2021)
* Cisco Certified Network Associate (CCNA) – Routing and Switching (2018)
* Scrum Master Certification (CSM) – Professional Scrum Foundation (2020)

## Projects

### SolarGrid Energy Management System

*United States Houston | 2018 – 2019*

* Developed a real-time monitoring system for solar energy grids, integrating IoT sensors and cloud analytics to optimize energy distribution.
* Implemented machine learning algorithms to predict demand fluctuations, improving grid reliability by 35%.

### Houston HealthTrack

*United States Houston | 2017 – 2018*

* Created a web application for tracking patient health metrics, enabling healthcare providers to monitor chronic conditions remotely.
* Ensured HIPAA compliance through encrypted data storage and secure user authentication protocols.

### SmartCity Analytics Dashboard

*United States Houston | 2016 – 2017*

* Designed a dashboard for city planners to analyze traffic patterns and urban development trends using GIS data.
* Integrated real-time data visualization tools to support evidence-based decision-making for municipal projects.

## Languages

* English – Native
* Spanish – Intermediate (reading/writing)

## References

Available upon request. Contact: john.smith@email.com | (713) 555-0198

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