

Alex Johnson

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Professional Summary

Results-driven **Senior Data Scientist** with 7+ years of experience building advanced machine learning models, leading data-driven initiatives, and mentoring teams. Skilled in predictive analytics, big data processing, and deploying AI solutions at scale. Proven track record of delivering impactful insights that drive business strategy and growth.

Core Skills

- **Programming & Tools:** Python, R, SQL, Spark, Hadoop, TensorFlow, PyTorch, Scikit-learn
 - **Data Science:** Machine Learning, Deep Learning, NLP, Computer Vision, Statistical Modeling
 - **Cloud & MLOps:** AWS, GCP, Azure, Docker, Kubernetes, MLflow
 - **Other:** Data Visualization (Tableau, Power BI, Matplotlib, Seaborn), A/B Testing, Big Data Analytics
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Professional Experience

Senior Data Scientist – XYZ Corporation | New York, NY

Jan 2020 – Present

- Designed and deployed machine learning models that improved customer retention by **18%**.
- Led a team of 5 data scientists and analysts, providing mentorship and technical guidance.
- Developed NLP-based solutions for customer feedback analysis, reducing churn by **12%**.
- Built scalable pipelines with **AWS & Spark** to process millions of data records daily.
- Partnered with business stakeholders to define KPIs and drive data-driven strategy.

Data Scientist – ABC Tech Solutions | San Francisco, CA

Jun 2016 – Dec 2019

- Created predictive models that increased sales forecast accuracy by **20%**.
- Automated reporting dashboards in **Tableau**, reducing manual reporting time by 40 hours/month.
- Implemented computer vision models to detect product defects with **92% accuracy**.
- Collaborated with engineering teams to integrate ML models into production systems.

Junior Data Scientist – DataWorks Analytics | Boston, MA

Jan 2014 – May 2016

- Conducted exploratory data analysis and statistical modeling for financial datasets.
 - Assisted in building recommendation systems that improved customer engagement by 15%.
 - Supported senior team members in deploying machine learning projects.
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Education

M.S. in Data Science – University of California, Berkeley | 2013
B.S. in Computer Science – University of Michigan | 2011

Certifications

- AWS Certified Machine Learning – Specialty
 - TensorFlow Developer Certificate
 - Certified Data Scientist (DataCamp)
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Publications & Projects

- *"Scalable Machine Learning Pipelines in the Cloud"* – IEEE, 2021
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Open-source contributor to **Hugging Face NLP models**

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GitHub project: **Customer Churn Prediction with Deep Learning**