

## **Walter Brown Xavi – Resume**

Email: walterbrownxavi@email.com | Phone: +1 (607) 338-0794

Address: 108 CR 3571, Texas, USA | Date of Birth: 1982-10-29

### **Professional Summary**

Senior AI Engineer and Software Developer with 15+ years of experience in AI, cloud computing, and full-stack development. Proven expertise in leading enterprise AI solutions, predictive analytics, and large-scale systems for Fortune 500 companies. Skilled in mentoring teams, research, and translating technical insights into business impact.

### **Professional Experience**

#### **Lead AI Engineer – Microsoft | Texas, USA | 2016–Present**

- Directed enterprise AI training projects and software engineering.
- Designed scalable AI/cloud solutions for Fortune 500 clients.
- Improved efficiency by deploying optimized AI-driven systems.

#### **Senior Software Developer – Google | California, USA | 2011–2016**

- Integrated AI into large-scale platforms, enhancing backend systems.
- Led cross-functional developer teams in data-driven initiatives.
- Developed scalable, production-grade software frameworks.

#### **Research Assistant – Harvard University | Cambridge, MA | 2007–2011**

- Conducted Ph.D. research in AI, predictive analytics, and programming.
- Published academic papers on AI training frameworks.

### **Education**

#### **Ph.D. in Computer Science – Harvard University | 2007–2011**

- Thesis: "Advanced Frameworks for Scalable Software Systems, AI Models & Predictive Data Analytics"
- GPA: 3.9/4.0 | Published multiple AI papers

#### **M.Sc. in Software Engineering & Programming – MIT | 2005–2007**

- Specialized in AI-driven applications, programming paradigms, system design
- Graduated with Distinction

#### **B.Sc. in Computer Science – University of Texas at Austin | 2001–2005**

- Focus: Programming, Data Analysis, AI Models
- Graduated with First Class Honours

## **Skills**

**Programming & Software Engineering:** Python, Java, C/C++, R, JavaScript, SQL, Full-stack (HTML, CSS, React, Angular, Node.js, PHP), Cloud (AWS, Azure, GCP)

**AI & Data Science:** ML (Neural networks, NLP, CV), Big Data (Hadoop, Spark), AI training & scaling, SQL pipelines

**Research & Applied Computing:** Predictive analytics in healthcare & finance, decision support systems, AI-powered frameworks

**Soft Skills:** Leadership, Communication, Documentation, Business translation

## **Key Projects**

- AI-Powered Predictive Analytics Platform – Trend prediction for healthcare & finance.
- Smart City Traffic Optimization – IoT-based AI for real-time traffic control.
- AI Training Suite – Improved AI accuracy by 30% with custom training modules.
- Enterprise Data Dashboard – Secure insights platform for large datasets.

## **Certifications**

- Certified Data Scientist (CDS) – Data Science Council of America
- AWS Certified Solutions Architect – Amazon Web Services
- Certified Software Engineering Professional (CSEP) – INCOSE
- Machine Learning Specialization – Stanford University
- Project Management Professional (PMP) – PMI

## **Languages**

- English – Native Fluency
- French – Professional Proficiency
- Spanish – Intermediate

## **Interests**

- AI ethics & sustainable computing
- Mentoring future programmers
- Hackathons & coding competitions
- Next-generation programming research