Fahad Kiani

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A Full-Stack AI Web Engineer and AWS-certified Solutions Architect Professional and Machine Learning Specialist who combines expertise in cloud architecture, machine learning, and full-stack web development. Unique background in molecular biology and computer science to build scalable end-to-end AI solutions, while mentoring the next generation of developers through technical education and thought leadership in emerging technologies.

Work Experience

Founding Machine Learning Engineer
JediLabs.org
08/2023 – Present (Freelance Machine Learning and GenAI Services & Implementation)

- Founded and built Jedi Labs platform, transforming development through AI-powered visual architecture design and reducing system design time by 80% and development cycles by 60%.
- Developed visual-to-code engine generating production-ready full-stack applications with architecture diagrams, accelerating complex development lifecycle from 6 months to 6 weeks
- Engineered an AI-powered X-ray analysis pipeline for AiMedical.world to fast-track suspected pneumonia diagnoses in just 30 seconds with over 80% accuracy, leveraging a serverless API
- Built Edulga.ai NLP pipeline transforming unstructured data into knowledge graph nodes and generating real-time learning roadmaps to enable 10x learner adaptability with GraphRAG

Senior Solutions Engineer
Talend
05/2021 – 8/2023 (Data integration and cloud transformation)

- Architected healthcare data transformation pipeline processing 1TB+ daily, reducing development time 40% through automated ETL workflows and real-time API integrations
- Engineered distributed data processing framework utilizing Apache Spark, Talend and Kafka, scaling AstraZeneca's clinical trials platform across 100+ labs, yielding $1B operational saving
- Accelerated enterprise pipeline with 3 AEs, executing 1000+ technical discoveries and achieving 85% POC-to-win rate through architectural frameworks and deployment discovery sessions
- Orchestrated automated AWS Kinesis, Firehose and Talend workflows with deploying real-time analytics, increasing forecasting accuracy by 30% and supporting $1M+ in budget decisions.
- Led technical QBRs for 1000+ Fortune 500 accounts, driving a 40% reduction in churn by delivering strategic KPI planning and conducting proactive architecture reviews across usage
- Collaborated with Product Management to define technical requirements for 100+ major releases, contributing 20+ customer-driven features resulting in 90% renewal and adoption rate
- Spearheaded mission-critical data integration transformation using Talend's ETL conversion accelerators, and successfully migrating 300+ complex ETL jobs to AWS cloud infrastructure

Lead Web Engineering Instructor
City University of New York (CUNY)
01/2021 - 05/2021 (Full-stack web development coding bootcamp)

- Served as Lead Instructor for a coding bootcamp at City University of New York, teaching six months of Full-Stack Web Development using HTML/CSS, React, Node.js, SQL and NoSQL
- Taught full-stack development using MERN stack (MongoDB, Express, React, Node.js), resulting in 100% of students deploying production-grade applications within 2 weeks
- Mentored 40+ Computer Science students learn web development frameworks, with 90% student completion and 80% of graduates securing engineering roles after graduation

Founding Solutions Engineer
1stdibs
08/2017 - 05/2019 (Worlds largest luxury eCommerce)

- Architected custom CRM integrations using REST and GraphQL APIs, onboarding 10K+ luxury dealers YoY and boosting partner acquisition efficiency by 200% through 1stdibs Trade Program
- Achieved a 70% rise in customer engagement and contributed to a $1M+ increase in quarterly sales by leveraging data-driven insights and expanding international partnerships by 80%
- Spearheaded a global eCommerce initiative with multi-currency support, contributing to an 80% increase in global partnerships and 40% growth in international engagement across the web
- Led tailored targeted marketing, lifting new logo rates by 25% through personalized outreach, while evaluating 50+ demo reviews bi-quarterly sprints to improve 40% conversion increase

Founding Sales Engineer
iMedicare
06/2015 - 07/2017 (SaaS Medicare comparison platform for independent pharmacies)

- Achieved 1000%+ YoY growth by leading demos on API integration in pharmacy EMR systems, resulting in a significant 10x enhancement in data accuracy for manual Medicare data entries.
- Designed and optimized data models for EMR systems, significantly improving reporting efficiency and contributing to a 30% growth in client engagement and patient outcomes
- Streamlined Medicare enrollment for over 80% through API integration of EMRs with pharmacy management software, significantly reducing the time for enrolling patients by 30%.
- Catered API-first solutions within pharmacy networks, enabling real-time data exchange amongst primary care providers (PCPs), leading to a 20 point increase in pharmacy NPS scores

Technical Skills

Programming Languages
JavaScript, Python, and React.js

Web Development
Next, Framer Motion, TypeScript, Three.js and Node.js

Data Engineering
Spark, Talend, Snowflake, Redshift, Redis and Databricks

Large Language Models (LLMs)
GPT, Gemini, Claude, LLaMA and Stable Diffusion

Generative AI Orchestration & Frameworks
LamaIndex, LangChain, Flowise, n8n and LangFlow

Amazon Web Services (AWS)
EC2, EKS, Lambda, S3, DynamoDB, Bedrock, Firehose, Kinesis, IAM, VPC, Step Functions and SageMaker

Web3 & Blockchain
Solidity, Web3.js, Ethers.js, The Graph and MetaMask

Deployment
Vercel, Netlify, Railway, Render and AWS CloudFront

AI Agents
CrewAI, LangGraph, Phidata, LangFlow and Pydantic AI

Data Processing & Extract Transform Load (ETL)
Unstructured, LlamaHub, dbt, Dagster, Talend and AirByte

Security Frameworks & Compliance
SOC 2 Type II, HIPAA, GDPR, PCI DSS and ISO 27001

Education

BS in Computer Science

City University of New York *2019 – 2021*

BS Forensic Biology (Pre-Medicine)

John Jay College *2008 – 2015*

Software Engineering Bootcamp

Per-Scholas *01/2020 - 05/2020*

Certifications

AWS Machine Learning Specialist

AWS Professional Solutions Architect

Technical Work

- **Jedi Labs:** You imagine, Jedi Lab's Engineer
  https://www.JediLabs.org
  AI Services that transforms application development through AI-powered visual architecture design, enabling users to go from concept to implementation

- **Edulga:** Adaptive, personalized and impactful learning
  https://edulga-ai.up.railway.app
  Built a GraphRAG educational platform that transforms traditional course structures into interactive knowledge graphs allowing students to intuitively navigate through interconnected concepts

- **AI-Medical:** Instant results for faster pneumonia diagnosis
  https://aimedical.world
  Fast track the diagnosis of suspected pneumonia patients in just 30 seconds utilizing AI-powered X-ray analysis with over 80% accuracy utilizing a serverless API built with AWS Sagemaker and data labeling pipeline