Shlok Kaneria

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EXPERIENCE

CAPITAL ONE | MULTIPLE POSITIONS - PRODUCT/SOFTWARE
Sep 2021 - Present | Wilmington, DE

- **Product Owner:** Architected and delivered a SaaS platform that identifies optimal marketing channels and campaigns for consumers in near real-time. This solution generated over $15M in annual revenue and accelerated marketing journey orchestration by 5X, aligning with both customer needs and long-term business driven OKRs.
- **Senior Software Engineer:** Led a team of 4 (3 engineers and 1 marketer) to develop and implement a refer-a-friend campaign, generating an additional $60,000 in revenue and acquiring 10,000 new accounts within 4 months.
- Championed the development of external-facing APIs that enabled seamless customer interactions with seasonal promotions. Translated complex business requirements into scalable, efficient API endpoints, resulting in a 40% increase in user engagement and a 20% boost in promotional conversion rates.
- Earned certification in AWS (Cert ID: QBKNPJ2JEEQQQ8W1), Jenkins CI/CD, Github, Kafka, Salesforce Marketing Cloud, and API Management.

FAST ENTERPRISES, LLC | SOFTWARE SOLUTION ARCHITECT
Jun 2019 – Sep 2021 | Denver, CO & Philadelphia, PA

- Proposed a dynamic web component that allows state residents to view and upload supporting documents for fiscal year tax filings, saving the Colorado state Department of Revenue roughly $2M/year and accelerating tax return processing for individuals and businesses by 3X.
- Initiated and led the shift from custom-built solutions to scalable, reusable web components and libraries, reducing development time by 30%, cutting maintenance costs by 20%, and enhancing cross-team collaboration by standardizing tools and processes.

VILLANOVA UNIVERSITY | ML/AI RESEARCH LEAD
Jan 2018 – May 2019 | Villanova, PA

- Served as Instructional Assistant for 4 undergraduate CS courses including Algorithms & Data Structures, AI, Platform Based Computing, and Analysis of Algorithms, providing support in lectures, grading, and student support.
- Mentored 7 undergrad students on projects spanning both Computer Vision and Machine Learning - resulting in 2 research papers pending publish in IEEE.

PROJECTS

JPMORGAN CHASE & CO. | CODE FOR GOOD HACKATHON
Nov 2020 | Wilmington, DE

- Collaborated with a team of 6 (5 engineers, 1 Data Scientist) to develop a PHP-based web app for a local non-profit using a MAMP stack; won 2nd place across the entire company (40+ competing teams)

ML/COMPUTER VISION ROBOTIC AGENT | RESEARCH LEAD
Jan 2018 – Dec 2019 | Villanova, PA

- Assembled and programmed autonomous robots using deep learning datasets, relying on high-level visual input to analyze and determine optimal chess moves against human competitors.

PERSONAL SITE | FULLSTACK DEVELOPMENT OF WEBSITE
Jan 2016 - Present | Philadelphia, PA

- Created **shloks.com**, a personal web portfolio to enhance digital presence and branding, utilizing HTML, CSS, and JavaScript.

EDUCATION

VILLANOVA UNIVERSITY
M.S. IN COMPUTER SCIENCE | CONCENTRATION IN ML/AI
Villanova, PA

VILLANOVA UNIVERSITY
B.S. IN COMPUTER SCIENCE
Villanova, PA

SKILLS

PROGRAMMING
Java • Python • TypeScript • C, C++
JS/HTML/CSS (Fullstack Development)
Swift (iOS) • PHP • MySQL

TECHNOLOGY
Git/Github • AWS • Linux • React
Rails • Windows • MongoDB
Artificial Intelligence • DevOps

LANGUAGES
English • French • Hindi • Gujarati

RESEARCH AREAS

GRADUATE
Platform Design
Deep Learning & Web Development
Software Program Management

UNDERGRADUATE
Artificial Intelligence
(Teaching Assistant)
Analysis of Algorithms
(Teaching Assistant)
Platform Based Computing
Machine Learning
Programming Languages

ORGANIZATIONS

Capital One Coders Tutoring
Association for Computing Machinery (ACM)
National Science Foundation
Relay for Life
American Cancer Society (ACS)

LINKS

Github:// **github.com/skaneri1**
LinkedIn:// **in/skaneria**
Personal Site: **www.shloks.com**