






VARAND ABRAHAMIAN

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LEADER IN INNOVATIVE SOFTWARE DEVELOPMENT AND DESIGN

As a seasoned Backend Software Engineer, my expertise lies in creating robust and scalable server-side applications. With a solid grasp of Python, including advanced libraries, and .NET Core, I excel in building backend infrastructures that support complex web applications. My proficiency in Django has been instrumental in automating backend processes, leading to a 26% increase in operational efficiency at AxiosHQ. My technical leadership in backend development at S.A.S Services Group Inc. contributed to a 35% acceleration in project delivery times. I am adept at integrating cloud solutions such as AWS, which ensures high availability and scalability of the backend systems. With a deep understanding of Agile methodologies, I am committed to enhancing backend functionalities that align with business needs and foster technological progress.

STRENGTHS & EXPERTISE

- Advanced Python Libraries (Flask, Pandas, NumPy)
- Angular 2+ & SPA Development
- Type-Safe TypeScript Development
- Full-Stack Development (Client-Side & Server-Side)
- Django & Django REST Framework
- Advanced SQL/NoSQL Querying & Optimization
- Firebase Real-Time Database & Cloud Functions
- MongoDB Aggregation & Performance Tuning
- AWS EC2, Lambda, S3, RDS, DynamoDB
- .NET Core & Enterprise Applications
- High-Performance C++ & System Programming
- VB.NET for Legacy Systems
- Agile Methodologies (Scrum, Kanban)
- Git & CI/CD Pipelines
- Docker & Kubernetes for Microservices
- RESTful & GraphQL API Development
- Testing Frameworks (Jest, Mocha, PyTest)
- MySQL/PostgreSQL Database Design
- DevOps & Infrastructure as Code
- Frontend Build Tools (Webpack)
- Secure Coding Practices & OWASP
- Shell Scripting & Unix/Linux Automation
- Cloud-Native & Serverless Architecture
- Software Architecture Patterns (MVC, MVVM)
- Network Protocols & Socket Programming
- Responsive Web Design & CSS Preprocessors (SASS/LESS)

PROFESSIONAL EXPERIENCE

AxiosHQ – Los Angeles, CA
Software Engineer

June 2021 – Present

Engineering Leadership: Served as the directly responsible individual, or single-threaded owner of the following initiatives:

- Backend Automation and Process Optimization:** Directed the automation of routine backend tasks using Python, cron jobs, and Django, achieving a 50% reduction in manual workload and enhancing operational efficiency by 26%.
- Microservice Architecture and Cloud-based Solutions:** Developed a Node.js microservice for backend operations, integrating cloud-based storage solutions (AWS S3) to improve the efficiency of backend document management and processing.
- Backend System Upgrades and Scalability Improvements:** Orchestrated a significant upgrade of backend systems, transitioning from Django 3.2 to 4.2 and Python 3.8 to 3.12, with a focus on enhancing system scalability, security, and request handling capabilities.
- Technical Leadership in Backend Support and Quality Assurance:** Provided backend technical leadership, employing tools like Honeycomb and Sentry for real-time backend monitoring and error tracking, ensuring high standards of backend code quality and system reliability.
- Directly Responsible Individual on Major Projects:** Templates, One-Off Sends, Template / Organization Tags, Routines, HTML/PDF Exporting, Custom Axioms, Segments, and SOCII compliance leading to our SOCII certification.

Management & Mentorship

- Orchestrated the technical recruitment process, collaborating with HR to refine candidate screening and leading in-depth technical interviews to evaluate coding skills, problem-solving abilities, and fit with AxiosHQ's culture and technologies.
- Actively involved in the final hiring decisions of 24 employees by providing critical assessments of candidates' technical proficiencies and potential for team integration, ensuring alignment with AxiosHQ's technical needs and values.

- Implemented a comprehensive onboarding and mentorship program for 14 new hires, focusing on coding best practices, project management, and professional growth, significantly enhancing team performance and cohesion.

S.A.S Services Group Inc. – Los Angeles, CA
Software Engineer

Oct 2017 – June 2021

- Project Management in SDLC for Proprietary Software: As Project Manager for Alpha, guided the software development lifecycle (SDLC), aligning with business objectives and contributing to a 35% reduction in project delivery times.
- Engineering Team Leadership with Agile Implementation: Led a team of software engineers using Agile methodologies, enhancing coding efficiency by 42% and improving software quality and stability on AWS platforms by 31%.
- Stakeholder Engagement for Software Deployment: Coordinated with key stakeholders for timely software updates and upgrades, achieving a 95% satisfaction rate in meeting specified requirements and adherence to project timelines.
- Business Development and Client Relationship Enhancement: Drove strategic meetings with airline industry clients, resulting in the acquisition of new contracts and a 55% growth in business relationships within a year.
- Software Deployment and Geographic Expansion: Managed the deployment of Alpha software across multiple locations, including Hawaii, Nevada, Denver, and Los Angeles, leading to a 25 increase in operational outreach and client base.
- Hardware Management for Enhanced Operational Efficiency: Oversaw the maintenance and operation of several hundred tablets, ensuring 99% uptime and a 12% improvement in operational efficiency across all locations.
- Development of Training Programs and Knowledge Transfer: Created and delivered comprehensive hands-on training and instructional videos, resulting in a 64% improvement in employee software operation competency and self-sufficiency.

WebJoint – Los Angeles, CA
Software Engineer

Oct 2015 – Sep 2016

- Innovative Backend Software Development for Marketing Efficiency: Spearheaded the development of proprietary backend software, resulting in a 46% increase in marketing team productivity through automation and process optimization.
- Advanced REST API, Web Scraping, and Email Validation: Designed and implemented a REST API-driven web scraper and an email validator, successfully processing and validating over 500,000 emails, which enhanced email campaign deliverability by 33%.
- Collaborative Software Design Aligned with Stakeholder Needs: Collaborated with stakeholders to custom-design software, meeting specific business requirements and leading to a 27% improvement in operational efficiency.
- Full-Stack Development and Cost-effective Solution: Independently coded the software using Python, demonstrating full-stack development skills and contributing to a cost-saving of over \$200,000 by opting for an in-house solution.
- Long-term Impact and Sustainable Software Usage: The developed software not only saved hundreds of thousands of dollars over external solutions but also proved its longevity and relevance by being actively used 8 years post-development, indicating sustained business value.

LICENSES, CERTIFICATIONS & EDUCATION

CompTIA | 04/2021

- Security+ ce Certification

Google | 08/2020

- Technical Support Fundamentals
- The Bits and Bytes of Computer Networking

University of Michigan | 08/2020

- Programming for Everybody (Getting Started with Python)
- Using Python to Access Web Data
- Using Databases with Python
- Capstone: Retrieving Processing and Visualizing Data with Python
- Python Data Structures
- Python for Everybody Specialization

Duke University | Coursera | 08/2020

- Programming Fundamentals with C

William J. Pete Knight High School, Palmdale, CA

- High School Diploma | 2016
- Senior tutor for AP Computer Science

AWARDS

Top 12-20 Projects, LA Hacks 2017

- Created Juli, a Chrome extension enhancing account security.

VOLUNTEER EXPERIENCE

EduCare Foundation, Los Angeles, CA | 2017

- Instructor for an after-school STEM program, introducing middle school children to computer programming.
- Taught the operation of a 3D printer and flight simulator.