JACOB CARVER

Lead Software Engineer | Full-Stack Developer | Agile Leader
3106 Dashiell Rd, Falls Church, VA 22042 | (703) 609-6155 | carve084@gmail.com

PROFESSIONAL SUMMARY

Experienced Senior Software Engineer with 9+ years of success designing and delivering secure, full-stack solutions in fast-paced Agile environments. Proven expertise in cloud-native application development using AWS, Azure, modern JavaScript frameworks, containerization, and microservice architecture. Skilled at mentoring teams, optimizing legacy systems, and aligning technology with business goals.

WORK EXPERIENCE

Syneren, Vienna, VA — Lead Software Engineer — Feb 2020 - Present

- Led development of full-stack solutions for government clients using Agile.
- Led my team through a full 5-year contract, contributing to a successful renewal of a multi-year, multi-million-dollar contract.
- Designed and deployed scalable services using AWS EC2 and Microsoft Azure.
- Modernized legacy workflows using Java, Weblogic, and Oracle.
- Mentored 6+ junior developers, 2 of whom advanced to mid-level roles, on clean code practices, testing strategies, deployment pipelines, and modern coding tools.
- Resolved 50+ IAVM vulnerability reports by conducting root-cause analysis and applying secure development practices.
- Managed Azure DevOps repository structure and enforced secure code review workflows.

Quality Process, San Francisco, CA — Software Developer — Sep 2017 - Feb 2020

- Built full-stack software applications for various private and nonprofit organizations.
- Collaborated on end-to-end solutions using a wide range of technologies and stacks per client needs.

OATI, Minneapolis, MN — Software Developer — Dec 2015 - Aug 2017

- Participated in Agile full-stack development for energy utility clients.
- Acted as a troubleshooter on a high-priority debugging team.
- Maintained and authored documentation for new software modules.

Internships — 2011 - 2014

- **Zenti:** Conducted data analysis and tested code for a big data startup.
- **Enviance**: Created a calendar and workflow app using Angular, HTML5, and CSS.
- **Advertising Audit & Risk Management**: Built a timesheet analysis program using VBA.
- **US SEC**: Analyzed performance data and prepared a technical report.

TECHNOLOGY STACK EXPERIENCE

Programming Languages: JavaScript, HTML/CSS, Python, Java, SQL, TypeScript, Bash, Powershell
Frontend: Angular, Bootstrap, HTML5, CSS3
Backend: NodeJS (Express), Java (Spring), Python, WebLogic
Cloud/DevOps: AWS (EC2, Lambda, S3), Azure, Docker, Docker Swarm, Kubernetes (familiar)
Database: Oracle, PostgreSQL, MSSQL, MongoDB, MariaDB
CI/CD & Tools: Azure DevOps, GitHub, SVN, Mocha (JS testing), Swagger/OpenAPI, WIX (XML)
Environments: Windows, Linux (CentOS)
IDE: Visual Studio, Eclipse, NetBeans, Sublime, PyCharm

PROJECTS

Check out my portfolio at: https://jacob-carver.vercel.app
My latest personal project utilizes AI assistants, modern system design, and other emerging technologies: TCG simulation in Python – https://github.com/carve084/ptcgp-sim

Always looking to learn new and emerging technologies to meet the latest customer needs.

EDUCATION

Bachelor of Computer Science, College of Science & Engineering, University of Minnesota 2015
Major in Software Engineering, Minor in Mathematics
Relevant coursework: Machine Architecture, Program Design, Data Structures, Networks, Cryptology, Formal Languages

INTERESTS

Reading, wilderness hiking and canoeing, table tennis, writing fiction