

# JACOB CARVER

Lead Software Engineer | Full-Stack | AWS & Azure Cloud | Agile Leader  
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## 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

My latest personal project: Utilizes AI assistants, modern system design, and other emerging technologies: TCG simulation in Python – [github.com/yourusername/gamesim](https://github.com/yourusername/gamesim)

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