

Silicon Mountain helps organizations tackle their deep-rooted technology problems. We specialize in digital transformation, custom tool development, and targeted tool deployment.

Capabilities

DevSecOps Services

Solution Architecture & Implementation

- Stack architecture
- Microservice swarms
- Hardware prototyping
- Enterprise integration
- Server operations and design

Custom Software Engineering

- Enterprise web-based applications
- Alexa skill generation
- Progressive web apps
- Mobile phone apps
- Workflow engines
- Asynchronous applications

API Implementations & Integrations

- Object-oriented programming
- Lucene and Solr style search indexing on databases
- Relational database structures
- Graphing database structures

Artificial Intelligence, Machine Learning, Data Science

Data Science

- Strategy planning
- Infrastructure setup
- Model development
- Feature engineering
- Machine learning
- Deep learning
- Natural language processing
- Explainable AI

Data Analytics

- Data collection and cleaning
- Big data processing
- Data exploration
- Data mining
- Statistical analysis and modeling
- Data visualization

Business Intelligence

- Data integration
- ETL process pipelining
- Data warehousing and management
- Reporting and dashboards
- Data quality monitoring
- Cloud-based business intelligence solution implementation

Process Improvement/Implementation and Change Management

Discovery

- EcoSystem Exploration
- Design sprints

Process

- Process analysis and refinement
- Lean process management

Workflow

- Workflow automation with Jira
- Jira-certified administrators and developers

Capabilities continue on the next page

Curriculum Design and Training

Onsite Training

Onsite customer tech literacy group training courses

Onsite customer application training courses

Training Library

Open source library generation on Git and NPM

Role-specific user guides for software

Learning modules

Virtual Training

Ask me anything sessions

Product-specific workshops

Weekly curriculums with user acceptance testing follow-up

Additional Information

LANGUAGES

Programming languages: Java, C#, PHP, Python, React, Angular, Node JS, Spring

Mobile languages: Flutter and Android

Scripting languages: Groovy Scripting, Vanilla Javascript, Jquery, Gradle, Bash

Markup languages: CSS, HTML5, JSTL, FreeMarker

ABOUT US

Status: Veteran Owned Business

CAGE: 60CV6

UEI: L3J5PPW3DNH9

NAICS CODES

541511 - Custom Computer Programming Services

541555 - Custom Computer Programming

519130 - Internet Publishing and Broadcasting and Web Search Portals

541512 - Computer Systems Design Services

541519 - Other Computer Related Services

541611 - Administrative Management and General Management Consulting Services

541618 - Other Management Services

541715 - Research and Development in the Physical, Engineering, and Life Sciences (Except Nanotechnology and Biotechnology)

541990 - All Other Professional, Scientific, and Technical Services

611420- Computer Training