>_ TECHNICAL TEAM BLUEPRINT

REV: 2.0 2025-10-25

DOCUMENT NO: UW-MSIM-2025-TEAM-001

Complete System Architecture & Component Specifications

8 4

CORES

ENGINEERS

14Y RUNTIME

COMBINED

0 100+

THROUGHPUT

PROJECTS

98% UPTIME **DELIVERY**

衙

B 95%

CLIENT SAT **RATING**

SCOMPONENT MATRIX - PERSONNEL



MATHEW JERRY MELETH CLOUD & DATA ENGINEER

mathewjerry07@gmail.com

\(+1 (206) 941-5460

Seattle, WA

\$250K

revenue uncovered

35%

ingestion reduction

Delivered \$250K revenue recovery insights through Azure/AWS pipeline architecture. Reduced data processing from 1 month to 2 days. Migrated 20+ CI/CD pipelines improving deployment efficiency by 40%. 3x Star Performer recognized for accelerating enterprise workflows and uncovering hidden revenue opportunities.

CORE COMPETENCIES

AWS (Lambda, Step Functions, S3, Glue, Athena) Azure (Databricks, Data Factory, Data Lake)

ETL Pipeline Automation Serverless Architecture

RAHIL M. HARIHAR **PRODUCT LEAD & AI/ML ENGINEER**

☑ rahil911@uw.edu

\(+1 (206) 245 0653

Seattle, WA

\$35K

profit as founder

48h→min

cycle time cut

Built and scaled \$35K-profit SaaS company from zero; shipped 100+ SAP S/4HANA integrations serving 15+ Fortune 500 clients. Reduced workflow cycles from 48h to minutes. Won competitive RFP at Dubai Islamic Bank beating Zoho. Expertise in multi-agent Al orchestration and enterprise product strategy.

CORE COMPETENCIES

Product Management & Strategy Multi-Agent Al Systems (LangChain, CrewAl)

ERP Integration (SAP S/4HANA) Full-Stack Development



SIDDARTH BHAVE SOFTWARE DEVELOPMENT ENGINEER

☑ sidbhave@uw.edu

+1 (206) 859 3417

Seattle, WA

\$1M

annual savings

75M/min

Kafka records

Engineered AWS cost optimization saving \$1M annually. Led distributed ETL systems processing 75M Kafka records/minute. IEEE Best Paper Award recipient. Sole architect on critical observability infrastructure at Morgan Stanley, achieving early promotion and tech-

CORE COMPETENCIES

Distributed Systems & Cloud Infrastructure Python, Java, C++ Kubernetes & AWS Services

Multi-Agent Al Systems



SHREYAS B SUBRAMANYA SENIOR PRODUCT MANAGER

Shrey674@uw.edu

**** 206-530-9975

Seattle, WA

70%

batch-run reduction

500+

certified users

Drove 70% supply-chain performance improvement across 20+ global implementations. Designed Delta Lake validation frameworks ensuring high-quality ERP data flow. Strategic roadmap owner at o9 Solutions with 500+ certified professionals. Expertise in Advanced Planning Systems and network optimization.

CORE COMPETENCIES

Advanced Planning Systems (APS) Supply Planning & S&OP Data Validation & Integration

Stakeholder Management

TECHNOLOGY STACK		
	AI & MACHINE LEARNING	4.8/5
	CLOUD & INFRASTRUCTURE	4.5/5
	DATA ENGINEERING	4.5/5
	PRODUCT MANAGEMENT	4.0/5
	SOFTWARE DEVELOPMENT	4.0/5
	SYSTEM DESIGN	4.3/5
	DEVOPS & CI/CD	4.3/5

Q IMPACT METRICS CLIENTS SERVED 15+ Fortune 500 COST SAVINGS GENERATED \$2M+ Technology • Finance • Healthcare • Supply Chain • Retail

ISSUED BY: UW ISCHOOL CLASSIFICATION: TALENT PORTFOLIO SCALE: 1:1 / SHEET 1 OF 2 CLASS OF 2026 PAGE 1 OF 2 ISO 216 (A4)

PAGE 2/2

EXPERIENCE ARCHIVE, EDUCATION RECORDS, CERTIFICATIONS

MATHEW JERRY MELETH

Cloud & Data Engineer • 3Y

EXPERIENCE

Rocket Mortgage

Cloud & Data Engineering Intern • June 2025 - September 2025

- Designed and deployed AWS serverless pipelines processing multi-terabyte datasets, reducing data ingestion time by 35%
- Migrated 20+ CI/CD pipelines from CircleCI to GitHub Actions, improving deployment efficiency by 40%

- Data Engineer August 2021 July 2024
 Architected end-to-end big data pipelines using PySpark and Azure Data Factory, accelerating processing speed by 40%
- Integrated external sales datasets uncovering \$250k in previously unrecognized revenue losses

FULCATION

Master of Science in Information Management

University of Washington • GPA: 4.0/4.0

Bachelor of Technology in Information Technology

TOP SKILLS

AWS (Lambda, Step Functions, S3, Glue, Athena) Azure (Databricks, Data Factory, Data Lake)

ETL Pipeline Automation | Serverless Architecture | Data Warehousing

SIDDARTH BHAVE

Software Development Engineer • 3Y

EXPERIENCE

Amazon Web Services (AWS)

- Software Development Engineer Intern (DynamoDB Networking) Jun 2025 Sep 2025
- Engineered eBPF-based metrics collection framework with <5 microseconds latency
- Designed cost-efficient network monitoring solution saving estimated \$1M annually

Morgan Stanley

Software Development Engineer 2 • Jan 2024 - Aug 2024

- Led integration of Mimir increasing metric retention by 50% and decreasing query time from 5 minutes to 45 seconds
- Designed distributed ETL pipeline extracting 75M Kafka records per minute

EDUCATION

Master of Science in Information Management

University of Washington • GPA: 3.9/4.0

Bachelor of Engineering in Computer Science and Engineering

TOP SKILLS

Distributed Systems & Cloud Infrastructure Python, Java, C++ Kubernetes & AWS Services

Multi-Agent Al Systems | System Design & Architecture

RAHIL M. HARIHAR

Product Lead & AI/ML Engineer • 3Y

EXPERTENCE

Allan Frank Apprenticeship

Product Lead Research • Sep 2024 - Apr 2025

- Prototyped multi-agent orchestration with LangChain & CrewAl driving 5 domain agents
- Built real-time ERP/CRM pipelines feeding 100+ GB data to ML microservices achieving 90% accuracy

SAP India Pvt. Ltd.

Development Consultant • Jul 2022 - Aug 2024

- Consulted for 15+ Fortune 500 strategic SAP Customers integrating HRM, CRM, and banking modules
- Architected and deployed 100+ complex end-to-end integration scenarios in SAP CPI

Master of Science in Information Management (AI + Product/Project Management) University of Washington • GPA: 3.9/4

Bachelor of Technology, Computer Science Engineering

Ramaiah Institute of Technology

TOP SKILLS

Product Management & Strategy | Multi-Agent Al Systems (LangChain, CrewAl) ERP Integration (SAP S/4HANA) Full-Stack Development Go-To-Market Strategy

SHREYAS B SUBRAMANYA Senior Product Manager • 5Y

EXPERTENCE

- Senior Product Management Intern Jun 2025 Present
- Developed Al-driven process automation agents leveraging enterprise knowledge graphs
- Designed Delta Lake-based data-validation layer improving supply-chain data accuracy

o9 Solutions

Product Manager II • May 2023 - Aug 2024

- Developed strategic supply-chain roadmap for Advanced Planning Product across 20+ global implementations
- Led performance benchmarking achieving 70% reduction in batch-run time

EDUCATION

Master of Science in Information Management

University of Washington • GPA: 3.88

Bachelor of Engineering in Mechanical EngineeringBMS College of Engineering

Advanced Planning Systems (APS) Supply Planning & S&OP Data Validation & Integration

Stakeholder Management | Process Design & Network Optimization

C TECHNOLOGY STACK

AI & MACHINE LEARNING

TOOLS:

TensorFlow, PyTorch, Keras, Sklearn, NLTK...

FRAMEWORKS

LangChain, CrewAI, OpenAI SWARM, Google ADK, Microsoft AutoGen

CLOUD & INFRASTRUCTURE

PLATFORMS

AWS, Azure, GCP, Kubernetes, Docker... SERVICES

Lambda, S3, Glue, Athena, Databricks..

MONITORING:

Prometheus, Grafana, Mimir

DATA ENGINEERING

TOOLS

PySpark, Hadoop, Delta Lake, ETL Pipelines, Kafka...

PostgreSQL, MongoDB, MySQL, Cassandra, SQL Server

PRODUCT MANAGEMENT

SKILLS

Roadmapping, Stakeholder Management, Agile/Scrum, OKRs, PRDs.

TOOLS

JIRA, Confluence, Tableau, Power BI

SOFTWARE DEVELOPMENT

LANGUAGES:

Python, Java, JavaScript, C++, SQL **FRAMEWORKS** React, Node, Flask, Spring Boot, Django

SYSTEM DESIGN CONCEPTS

Distributed Systems, Microservices, API Design, System Architecture

TOOLS

Git, CI/CD, Monitoring, Observability

DEVOPS & CI/CD

GitHub Actions, CircleCl, Azure DevOps

ORCHESTRATION:

Kubernetes, Docker

MONITORING: Prometheus, Grafana, Mimir

> STATUS: ACTIVE / READY FOR DEPLOYMENT PAGE 2 OF 2

APPROVED BY: UW ISCHOOL MSIM PROGRAM 2024-2026

REVISION: 2.0 / FINAL

CONFIDENTIAL