# William Joseph Maddock

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## Professional Summary

Recent Computer Science graduate from Metropolitan State University of Denver with expertise in backend engineering, data science, and technical leadership. Developed production-ready systems using Ruby on Rails, Kotlin, Python, and Rust. AWS-certified professional with hands-on experience in cloud-native development, ethical AI systems, and secure access management. Proven ability to lead teams and deliver complex projects using Agile methodologies.

## Education

**B.S.**   **Metropolitan State University of Denver**, Computer Science            Aug 2022 – May 2025

- GPA: 3.13/4.0
- **Relevant Coursework:** Cloud Computing, Web/Mobile Development, Algorithms, Data Science/Machine Learning

**Certifications:**

- IBM Data Science Professional Certificate ↗ (Coursera, 2025)
- AWS Generative AI Badge ↗
- AWS Machine Learning Foundations ↗
- Rust Programming Specialization ↗ (Coursera, 2025)
- 11 AWS Educate Badges (Cloud Ops, Security, Serverless, etc.)

## Projects

**Cosmic Universalism Initiative**, Founder and CPOC            Dec 2024 – Present
                                                               Portfolio ↗

- Developed cloud-native systems using Rust, Kubernetes, and AWS (Lambda, S3, ECS)
- Created tools like Cosmic Breath Time Converter integrating astronomical data
- Managed AWS integrations and open-source contributions

**Secure Access Management System**, Founder and Lead Developer            Sep 2024 – Dec 2024
                                                                           Portfolio ↗

- Built Ruby on Rails app with role-based access control (RBAC) and security clearance
- Integrated Google Cloud Storage for persistent uploads
- Achieved 97

**SpaceX Launch Analysis**, Data Scientist            May 2025 – Jul 2025
                                                      Portfolio ↗

- Built Python data pipeline from API collection to predictive modeling (>90
- Created interactive dashboards with Plotly Dash and Folium
- IBM Data Science Professional Certificate capstone project

**Auraria Mobile Parking (AMP)**, Technical Lead            Aug 2024 – Dec 2024
                                                            Portfolio ↗

- Led team of 6 in developing Kotlin Android app for campus parking
- Integrated real-time parking availability and weather updates
- Managed Agile development with Git and ClickUp

## Experience

**Amazon**, Flex Driver and Warehouse Associate (DDE9)
- Optimized inventory processes using Linux systems and Bash scripting
- Collaborated on troubleshooting operational issues

Denver, CO
Summer 2023 – Present

## Technical Skills

**Languages:** Kotlin, Ruby, Python, Rust, JavaScript, Go, Java, SQL

**Frameworks & Tools:** Ruby on Rails, Android Studio, Pandas, scikit-learn, Kubernetes, AWS Services, Docker, Git, Bootstrap

**Competencies:** Cloud Architecture, Backend Development, Data Engineering, Ethical AI, Security (RBAC), Agile/FDD, Accessibility Design