# ResumeRocket5 Project Status Summary - January 06, 2025

## Chat Summary & Progress

### Recent Debugging Steps:

1. Installed and verified core dependencies:

- streamlit==1.28.1

- python-docx==1.0.1

- openai==1.3.8

- requests==2.31.0

2. Enhanced resume parsing logic:

- Improved error handling and logging

- Enhanced pattern matching for contact information

- Added detailed logging for debugging

3. Server Configuration:

- Updated Streamlit configuration for proper server binding

- Configured logging levels and formats

### Current Issues:

1. Server Startup:

- Streamlit server is experiencing startup issues

- Configuration has been updated but requires further debugging

2. Parsing Functionality:

- Contact information extraction needs improvement

- Name extraction logic picking up incorrect text blocks

- Email and phone fields not being consistently extracted

## Tests Conducted

1. OpenAI Integration:

- Previous working integration confirmed

- API connection functionality verified

- Integration currently stable but needs proper error handling

2. Resume Parsing Tests:

- Document upload functionality tested

- Field extraction partially working

- Name extraction producing incorrect results

- Email/phone extraction needs verification

## Current Configuration

### Environment Setup:

- Python 3.11

- Streamlit server configured for port 5000

- OpenAI SDK latest version installed

- Logging configured for detailed debugging

### Key Components:

1. Resume Parser:

- Enhanced error handling

- Improved pattern matching

- Detailed logging implementation

2. Server Configuration:

- Headless mode enabled

- CORS disabled for development

- Custom port configuration (5000)

## Known Issues & Root Cause Analysis

1. Parser Issues:

- Name extraction logic needs refinement

- Pattern matching may be too restrictive

- Document processing needs better error handling

2. Hypotheses:

- Field extraction patterns may need adjustment

- Text preprocessing might be affecting pattern matching

- Document structure parsing needs improvement

## Next Steps

### Immediate Actions:

1. Fix Streamlit server startup issues:

- Verify configuration

- Check port availability

- Review error logs

2. Enhance parsing logic:

- Refine name extraction patterns

- Implement stricter validation for contact fields

- Add debug logging for field extraction

### Short-term Goals:

1. Implement robust error handling

2. Add validation for parsed fields

3. Improve logging for debugging

4. Test with various resume formats

### Medium-term Improvements:

1. Add fallback parsing methods

2. Implement field validation

3. Add user feedback mechanisms

4. Enhance error reporting

This summary reflects the current state as of January 06, 2025, and will be updated as progress continues.