 created two key files for performance testing:

1. **performance.js**: A utility class for monitoring and measuring performance:
   * Real-time performance monitoring
   * Custom thresholds for different operations
   * Performance metrics collection
   * Express middleware for API response timing
   * Async and sync operation wrappers
   * Integration with metrics and logging
2. **tenant.load.test.js**: A comprehensive load testing suite:
   * Uses autocannon for load testing
   * Configurable scenarios for different API endpoints
   * Detailed performance metrics collection
   * Automated report generation
   * Threshold-based pass/fail evaluation
   * Report file generation

Key features of the performance testing utilities:

1. Performance Monitoring:
   * Operation timing with start/end marks
   * Custom performance marks during operation
   * Threshold monitoring and alerts
   * Integration with metrics system
2. Load Testing:
   * Multiple test scenarios (GET, POST, PUT operations)
   * Configurable concurrent connections
   * Customizable test duration
   * Detailed statistics (latency, throughput, errors)
   * Automated report generation
3. Metrics Collection:
   * Response time metrics
   * Database query performance
   * Cache operation timing
   * Event processing duration
4. Reporting:
   * JSON report generation
   * Pass/fail status for each scenario
   * Detailed performance statistics
   * Historical report storage