

JAESEONG Ko

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Professional Summary

Experienced mechanical marine engineer with over 5 years of experience in marine shipping industry. Excellent reputation for resolving problems, improving customer satisfaction, and driving overall operational improvements. Consistently saved costs while increasing profits.

Skills

- Maintenance of engineering systems
- Mechanical troubleshooting and diagnostics
- Marine vessel operation

Work History

Japanese Chef, 02/2000 to 06/2019

Self Employment – Vancouver, BC

- Mentored more than 10 kitchen staff at all levels to prepare each for demanding roles.
- Increased profits and efficiency 7% by building optimal inventory control model.
- Inventoried food, ingredient and supply stock to prepare and plan vendor orders.
- Collaborated with vendors to source desired recipe ingredients while maintaining tight cost controls.
- Maintained high food quality standards by checking delivery contents to verify product quality and quantity.

Superintendent, 11/1997 to 08/1999

Master Marine Korea – Seoul, Korea

- Positively engaged with customers and maintained professional appearance at all times as company representative.
- Devoted special emphasis to punctuality and worked to maintain outstanding attendance record, consistently arriving to work ready to start immediately.
- Negotiated agreements between employees to clarify misunderstood directions and resolve conflicts affecting performance.
- Worked with manager to resolve vessel's problems, improve operations and provide exceptional customer service.
- Prepared relevant SRM documents in conformance with Safety Management System (SMS) order.

Assistant Superintendent, 11/1996 to 10/1997

Hyundai Steel Dangjin Plant, Korea – Dangjin-si, Chungcheongnam-do

- Administered budgets and tracked expenses to meet financial objectives.
- Planned and directed site project work.
- Coordinated site operations in accordance with established timelines.
- Supported siteco field crews to maximize quality and work efficiency.
- Identified and implemented strategic plans based on accurate readings of specifications and solid collaboration with project leadership.
- Established clear priorities and production quality standards.
- Evaluated each staff member's strengths and assigned tasks based upon expertise and background.
- Boosted team productivity through enhanced construction and streamlining of financial tasks.
- Collaborated with management, technical crew members and fellow supervisors to organize efficient site operations and achieve demanding schedule targets.

3rd Engineer/2nd Engineer, 02/1994 to 10/1996

Hyundai Merchant Marine Co., Ltd – Seoul, Korea

- Conducted inspections and tested equipment, machinery and components to diagnose issues, recognize defects and determine appropriate repairs.
- Identified mechanical problems and determined best solutions for correction.
- Implemented preventive maintenance measures to decrease emergent issues.
- Performed troubleshooting, diagnostic and repair of diesel engine generator equipment.
- Conducted research that tested and analyzed feasibility, design, operation and performance of diesel engine, commercial boiler, machinery equipment, components and systems.
- Investigated equipment failures to diagnose faulty operation.
- Developed and tested models of alternate designs and processing methods to assess feasibility, operating condition effects, possible new applications and necessity of modification.
- Applied technical troubleshooting ability to create quality HVAC and air control solutions.
- Applied engineering principles to develop and operate electrical, mechanical and data processing systems.
- Applied mechanical problem solving skills to develop creative solutions for quality products.
- Investigated equipment failures to diagnose faulty operation and made appropriate maintenance recommendations.
- Tested feasibility, design, operation and performance of equipment, components and systems.

3rd Class Ship's Engineer, 02/1993 to 09/1993

Choyang Merchant Shipping Co.ltd – Seoul, Korea

- Conducted material tests and analysis using commercial boiler equipment and tools.
- Performed troubleshooting, diagnostic and repair of pump equipment.

- Frequently diagnosed mechanical problems and determined how to correct issues.
- Investigated equipment failures to diagnose faulty operation and made appropriate maintenance recommendations.
- Recommended design modifications to eliminate crane machine and system malfunctions.
- Developed and coordinated effective predictive, preventive and corrective maintenance approaches.
- Coordinated installation of systems, machinery and components.
- Specified optimal systems for use in air conditioner installations.
- Improved methods for measurement, documentation and work flow management.
- Prepared technical documentation for operation, troubleshooting and maintenance of industrial systems for PLC and Human Machine Interface.
- Troubleshoot electrical equipment problems such as electro-valves and sensors.
- Mentored junior engineers and new hires to better improve competency and efficiency of all staff.
- Wrote protocols, qualification documents, test plans and test reports for quality assurance purposes.

Education

Bachelor of Marine Engineering: Marine Engineering, 1993

Korea Maritime and Ocean University - Busan

Certifications

3rd class marine engineer