

Jameson Zimmerman

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SUMMARY

Chemical Engineer with over 5 years in metal plating environments, delivering exemplary results through precise electroplating practices. Expertise ensures compliance with stringent quality standards while adeptly managing chemical processes to enhance efficiency. Contributed significantly to collaborative efforts with suppliers to drive innovative process improvements and troubleshooting methods. Established a reputation for clear documentation, successfully meeting environmental reporting requirements. Eager to bring strong analytical problem-solving capabilities and a commitment to safety within a dynamic team committed to excellence.

EXPERIENCE

Metal Plating Chemical Engineer

June 2021 – Present

Innovative Coatings Inc.

Chicago, IL

Leading all facets of the electroplating process for varying metal parts at Innovative Coatings Inc. Overseeing operations adheres strictly to specifications while cultivating quality and efficiency throughout production. Collaborated closely with interdisciplinary teams and external suppliers to resolve issues expediently, minimizing downtime.

- Spearheaded electroplating operations to ensure adherence to robust specifications and rigorous quality benchmarks.
- Regularly monitored and adjusted chemical solutions to maximize performance metrics as outlined in production guidelines.
- Executed comprehensive testing protocols on finished coatings, securing high client satisfaction with product outcomes.
- Maintained detailed records of every stage in the plating process, ensuring easy traceability and regulatory compliance.
- Engaged directly with suppliers to continuously identify and implement enhancements, achieving an increase in operational efficiency.
- Actively trained junior engineers on best practices regarding chemical safety and detailed electroplating procedures.

Chemical Engineer

January 2019 – May 2021

TechPlating Solutions

Peoria, IL

Responsible for managing skilled tasks associated with electroplating processes and ensuring strict compliance with industry standards. Navigated routine chemical analyses and developed new plating techniques in a hands-on laboratory setting.

- Executed diverse electrolytic plating for various metallic products, arriving at an overwhelming pass rate on quality inspections.
- Performed chemical analyses of compositions during vital processes that facilitated the introduction of novel techniques.
- Achieved environmental compliance milestones by thoroughly completing all necessary regulations and reports punctually.
- Reduced downtime dramatically by troubleshooting production snags efficiently, leading crucial responses that enhanced workflow.
- Created extensive training materials addressing chemical processes that improved onboarding effectiveness among new hires.
- Oversaw periodic equipment inspections, ensuring machinery maintained optimal conditions conducive to project success.

Junior Chemical Engineer

August 2016 – December 2018

GreenMetal Technologies

Champaign, IL

Provided integral support to senior engineers during complex electroplating operations. Gained invaluable experience managing chemical balances while “getting into the nitty-gritty” of successful lab applications.

- Assured precise execution of electroplating tasks under guidance, enriching valuable firsthand chemistry exposure.
- Contributed materially to monitoring of all utilized plating solutions while optimizing chemical balance accuracy.
- Studied quality control measures, actively influencing developmental strategies that enhanced end products.
- Aided in environmental compliance tasks, streamlining report-based obligations effortlessly.
- Researched up-and-coming plating technologies, engaging audiences with findings that fostered team discussions and innovation.
- Checked plater readiness daily by upholding proper maintenance and calibration schedules for essential laboratory equipment.

LEADERSHIP & AWARDS

- Recognized for outstanding contributions to enhancing steel plating impacts via innovative approaches.
- Awarded Employee of the Month for exceptional collaboration and driving efficiencies in production processes.

EDUCATION

Bachelor of Science in Chemistry

2016

University of Illinois GPA: 3.5

Champaign, IL

Coursework: Analytical Chemistry, Organic Chemistry, Inorganic Chemistry, Physical Chemistry

CERTIFICATIONS

- Certified Chemical Engineer (CCE) 📅 2020
- OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) 📅 2021

TECHNICAL SKILLS

- **Chemical Analysis Tools:** Spectroscopy, Chromatography, Titration
- **Quality Assurance Systems:** ISO 9001, Six Sigma, SPC
- **Safety Protocols:** Lab Safety Guidelines, PPE Usage, Risk Assessment
- **Testing Equipment:** Microscope, pH Meter, Conductivity Tester
- **Research Methodologies:** Experimental Design, Data Analysis, Reporting Standards
- **Regulatory Compliance:** EPA Regulations, OSHA Standards, HAZMAT Protocols
- **Electroplating Technology:** Hard Chrome Plating, Nickel Plating, Copper Plating
- **Documentation Tools:** Microsoft Excel, Lab Notebooks, LIMS
- **Collaboration Platforms:** Microsoft Teams, Slack, SharePoint
- **Statistical Software:** Minitab, R, Python

SKILLS

- Electroplating Processes
- Chemical Analysis Techniques
- Quality Control
- Environmental Compliance
- Process Improvement
- Team Collaboration
- Troubleshooting
- Documentation Management
- Supplier Engagement
- Laboratory Safety
- Production Efficiency
- Regulatory Reporting
- Project Management
- Operational Oversight
- Technical Training

PROFESSIONAL AFFILIATIONS

- Member of the American Chemical Society since 2016, actively participating in local chapters.
- Engagements within university alumni networking events, promoting professional interactions and opportunities.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST