

[First Last Name]

[City, State] | [email@example.com] | [(+1) 555-555-5555] | [LinkedIn URL]

PROFESSIONAL SUMMARY

[Environmental Engineer] with [X+] years of experience in [water/wastewater treatment], [air quality management], and [environmental compliance] across [industrial/municipal] settings. Proven track record of designing and optimizing sustainable systems that reduce emissions, improve resource efficiency, and meet stringent regulatory standards. Skilled in applying [environmental modeling], [data analysis], and [life-cycle assessment] to support evidence-based decision-making. Adept at cross-functional collaboration with [operations, regulatory agencies, and stakeholders] to deliver compliant, cost-effective environmental solutions.

PROFESSIONAL EXPERIENCE

[Senior Environmental Engineer] | [ABC Environmental Consulting]

[MM YYYY] – [Present]

[City, State]

- Led the design and optimization of [industrial wastewater treatment systems] for [manufacturing and chemical] clients, achieving up to [30% reduction] in [BOD/COD load] and consistent compliance with [NPDES permit limits] using tools such as [EPANET, BioWin, and Excel-based mass balance models].
- Managed multi-disciplinary environmental impact assessment (EIA) projects for [infrastructure and energy developments], coordinating [field sampling, dispersion modeling, and stakeholder engagement] to secure [required environmental permits] on schedule.
- Developed and implemented [air emissions monitoring and reporting programs] aligned with [EPA, state, and ISO 14001] requirements, including preparation of [Title V permit applications, emissions inventories, and greenhouse gas reports] using [AERMOD, CALPUFF, and GIS].

[Environmental Engineer] | [XYZ Municipal Utilities]

[MM YYYY] – [MM YYYY]

[City, State]

- Supported the operation and upgrade of a [municipal wastewater treatment plant] with a capacity of [X MGD], conducting [process performance analyses, sludge handling studies, and energy audits] to recommend improvements that reduced [operational costs] by [Y%].
- Prepared [stormwater management plans, SWPPPs, and SPCC plans] for municipal facilities, integrating [green infrastructure, low-impact development (LID) practices, and hydrologic modeling] using [HEC-HMS, SWMM, and AutoCAD Civil 3D].
- Conducted [field inspections, sampling, and data validation] for [surface water, groundwater, and soil] quality monitoring programs, ensuring QA/QC compliance and timely submission of technical reports to [state environmental agencies].

EDUCATION

[Master of Science in Environmental Engineering] | [University Name]

[MM YYYY] – [MM YYYY]

[City, State]

- Relevant coursework: [Water and Wastewater Treatment], [Air Pollution Control], [Hydrology & Hydraulics], [Environmental Chemistry], [Risk Assessment].
- Thesis: “[Title of Thesis Related to Environmental Engineering]” focusing on [brief description, e.g., optimization of nutrient removal in activated sludge systems using process modeling].

[Bachelor of Science in Civil/Environmental Engineering] | [University Name]

[MM YYYY] – [MM YYYY]

[City, State]

- Capstone project: [Design of a decentralized wastewater treatment and reuse system for a small community], including [process selection, hydraulic design, and cost estimation].

SKILLS

Technical & Analytical

- [Water & wastewater treatment process design (activated sludge, MBR, MBBR, tertiary treatment)]
- [Air quality modeling and emissions inventory (AERMOD, CALPUFF)]
- [Hydrologic & hydraulic modeling (SWMM, HEC-HMS, HEC-RAS)]
- [Environmental sampling, monitoring, and data analysis (QA/QC, statistical analysis, Excel, MATLAB/R)]

Regulatory & Professional

- [Environmental regulations and permitting (Clean Water Act, Clean Air Act, RCRA, NPDES, NEPA)]
- [Environmental management systems and sustainability (ISO 14001, ESG reporting, LCA concepts)]
- [Project management, stakeholder communication, and cross-functional collaboration]

SELECTED PROJECTS

[Nutrient Removal Upgrade for Municipal WWTP]

- Developed a [biological nutrient removal (BNR)] upgrade concept for a [X MGD] facility, performing [process modeling, mass balance calculations, and preliminary sizing] to meet [enhanced nitrogen and phosphorus limits] while minimizing capital costs.

[Industrial Air Emissions Compliance Program]

- Compiled a comprehensive [air emissions inventory] for a [multi-unit industrial facility], conducted [dispersion modeling] using [AERMOD], and prepared [permit applications and compliance reports] that aligned with [state and federal regulations].

[Green Infrastructure & Stormwater Retrofit Study]

- Evaluated [green roofs, permeable pavements, and bioretention systems] for an urban watershed, using [SWMM modeling] to estimate [runoff volume reduction and pollutant load reductions], and prepared a [cost–benefit analysis] to support municipal decision-making.