

MARISSA KATHRYN CALLAHAN

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in /MARISSA-CALLAHAN • 🐙 /CALLA-MARI

QUALIFICATIONS

Full-stack web developer experienced in problem solving, critical thinking, managing interns, and coordinate interdepartmental workflow. Previously a Formulation/Analytical Chemist with 10+ years of pharmaceutical experience in drug substance and drug product development, looking for a fulfilling and challenging career with less geographical restriction.

EXPERIENCE

Web Development, General Assembly (2018 – 2018)

Full Stack Developer Fellowship

- Trained in a various programming language and technology during a 12-week immersive program
- Featured Project: **Tic-Tac-Toe**
 - Built front-end JavaScript application, with HTML and CSS, from scratch utilizing a third-party ajax API
 - Application provides secured log-in with user authentication and game records.

Scientist I, Takeda Pharmaceuticals (2018 – present)

Formulation Development

- Develop formulation methods and test physical characteristics of API
 - Coordinate intradepartmental work flow

Scientist I, Tarveda Therapeutics (2015 – 2018)

Formulation Development

- Spearhead formulation development for the early drug discovery program.
 - Developed an FFP HPLC method to streamline pre-clinical formulations analysis.
 - Trained interns and colleagues on various projects and instrumentation along with managing interdepartmental workflow
- Key contributor in the development of clinical formulations for lead candidates.
 - Designed and executed mock clinical tests for clinical candidates including evaluation of formulation compatibility with various administration sets.
 - Devise lyophilization studies to improve formulations in preparation of dose escalation and Phase II clinical studies.
 - Assisted with writing up Clinical Pharmacy Manuals.
 - Authored reports in support of IND filings.
- Additional responsibilities include lab organization and management, waste management, safety committee membership, IATA and DOT certification for shipping hazardous goods.

SKILLS

- HTML
- JavaScript
- CSS
- Ruby
- Rails
- SASS/SCSS
- jQuery
- Ajax
- Python
- SQL

EDUCATION

University of Massachusetts Amherst

- M.S. Chemistry
- B.S. Chemistry, Magna Cum Laude
- B.S. Biochemistry and Molecular Biology, Magna Cum Laude

INTEREST

- Newborn Photographer at MGH