

JOON PARK

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Full Stack Developer with nearly 2 years of industry experience and a strong foundation from a coding bootcamp. Adept at building scalable web applications, solving complex problems, and collaborating across teams. Looking for mid-level Software Engineer roles where I can contribute my technical expertise and critical thinking skills to build exciting software.

SKILLS

- Front end development - Angular, React
- Back end frameworks - Ktor, Express.js
- Microservice Architecture
- REST APIs
- AWS tools - Athena, DynamoDB, S3, Lambda, CloudWatch, ElastiCache, MSK, Cognito
- WebSocket, Socket.io
- Git, GitHub
- Kotlin, JavaScript/TypeScript, Python
- Shell scripting - PowerShell
- Unit test frameworks/libraries - Jest, JUnit, MockK
- Object-Oriented Programming (OOP), Functional Programming (FP)
- Time series data processing and analysis, validation, export scripting
- Agile/Scrum methodology - Team facilitation, sprint planning, sprint retrospectives
- HTML, CSS, SCSS
- Material UI, Bootstrap
- MERN Stack - MongoDB, Express.js, React, Node.js
- jQuery
- SQL databases - MySQL
- ODM/ORMs - Sequelize, Mongoose, Apollo GraphQL, apollo-client
- Model-View-Controller (MVC)
- Handlebars
- Progressive Web Apps using Webpacks, Service Workers, IndexedDB
- Wireframing

WORK EXPERIENCE

Software Engineer II

March 2023 – December 2023

VivoSense, Inc.

Newport Coast, CA (Remote)

- Delivered a Minimum Viable Product (MVP) of a clinical trial management web portal, achieving all OKRs and user stories
- Built front end features in Angular/TypeScript based on Figma designs, including login/password reset workflow modals, tabbed pages displaying change history data, and a WebSocket-powered instant messaging feature including group chats
- Developed backend functionality in Kotlin/Ktor, including entire microservices, REST API routes, WebSocket, caching, AWS Lambdas, and Kafka/AWS MSK
- Deployed data processing algorithms written in Python
- Ensured code quality and reliability through unit tests for front end (Jest) and back end (JUnit, MockK) code
- Presented technical designs, architecture decisions, and feature demos to stakeholders and team members
- Performed Scrum Master duties by leading daily standups, sprint planning sessions, and retrospectives

Senior Process Engineer II, Manufacturing

May 2021 – July 2022

Halozyne Therapeutics

San Diego, CA

- Managed the transfer and execution of manufacturing processes at contract manufacturing organizations (CMOs), including more than 20 production runs at the 200L, 1000L, and 2500L scales
- Served as the subject matter expert (SME) on upstream biologics manufacturing process
- Provided technical input in the development of master batch records (MBRs) and performed technical review of executed batch records, technical reports, and other documents
- Collaborated closely with Quality Assurance for adherence to cGMP standards in manufacturing campaigns

- Led a cross-functional team in a technical investigation to address cell growth issues in manufacturing and performed root cause analysis (RCA) and implemented corrective and preventative actions (CAPAs)
- Performed upstream and downstream person-in-plant (PIP) activities to ensure successful manufacturing campaign
- Developed and delivered scientific overviews for technical/CMC team members

Senior Engineer, CMC Gene Therapy Development

January 2020 – March 2021

Neurocrine Biosciences

San Diego, CA

- Worked with collaboration partners and CMOs to guide the early development of manufacturing process for two AAV gene therapy candidates
- Served as the SME on upstream gene therapy process development
- Worked collaboratively with internal staff and collaboration partners to generate project and cost proposals, timelines, and work plans
- Conducted annual/quarterly budget and invoice reviews for gene therapy development programs
- Developed and delivered scientific presentations

Process Development Engineer III

May 2014 – December 2019

Tocagen Inc.

San Diego, CA

- Planned and conducted in-house bioreactor manufacturing runs of various types (stirred-tank, SUB, WAVE) and sizes (70-500L production size) for retroviral replicating vectors (RRVs) using suspension mammalian producer cell line
- Planned and conducted downstream filtration experiments to increase yield and optimize process for transfer to contract manufacturers
- Created and implemented schemes for automation of production run activities and wrote relevant codes
- Supported technology transfer of upstream production processes to CMOs
- Guided GMP production runs by providing technical expertise and person-in-plant support
- Designed and executed media experiments to optimize production and cell growth
- Spearheaded cell line development and scale-up projects
- Trained new team members on production processes and technical knowledge; promoted development of their careers by mentoring them and bringing them up to speed in various areas of responsibility
- Conducted cell- and PCR-based assays for product characterization

EDUCATION

Certificate of Completion, Full Stack Web Development

November 2022

University of California, San Diego Extended Studies

La Jolla, CA

Master of Science in Bioengineering

June 2013

University of California, San Diego

La Jolla, CA

Bachelor of Science in Bioengineering: Biotechnology

June 2011

University of California, San Diego

La Jolla, CA