ANAND CHANDRAN

GITHUB.COM/ACHANDRAN ANAND@CHANDRAN.DEV

EXPERIENCE

DIRECTOR OF SOFTWARE ENGINEERING — BETTERCOLLECTIVE — 2021 - PRESENT

Created AWS lambda backend for combinatorial optimization, resulting in 10x reduction in EC2 instance costs. Directed development of new fundamental data architecture - processing data imports from multiple sports data providers, player projections data to power all products.

LEAD SOFTWARE ENGINEER — ROTOGRINDERS — 2019 - 2021

Applied Combinatorial Optimization techniques to create a Python microservice backend for core lineup generation, resulting in 3-5x speedup for LineupHQ builds. Created automated player ownership estimation process via Python and Go microservices using bulk lineup construction. Developed SlateIQ to provide data insights on upcoming slates given past slate data via nearest neighbor/other heuristic for similarity.

SOFTWARE ENGINEER — ROTOGRINDERS — 2016 - 2019

Developed LineupHQ, an industry-leading app for fantasy sports lineup generation via a React frontend and Node.js backend. Developed PlateIQ baseball visualization tool with React and d3.js. Developed CourtIQ, enabling fast on-off basketball matchup queries and stats visualization via MongoDB and precomputed stints.

SOFTWARE ENGINEER — PAAL TECHNOLOGIES — 2012 - 2016

Created Node.js/React tool for high-precision manufacturing traceability, quality control, audit support. Developed software suite to interface with HP Impedance Analyzer via GPIB, enabling automated failure detection and 75% reduction in average test run time.

EDUCATION

STATE UNIVERSITY OF NEW YORK, STONY BROOK — BS MATHEMATICS

SKILLS

Python (Django, FastAPI, Flask, htmx, pytest), Javascript (Node.js, Express, React, d3.js), Go, SQL (Postgres, MySQL), MongoDB, Redis, AWS (S3, EC2, Lambda), Continuous Integration/ Continuous Deployment (Jenkins, BitBucket pipelines, Ansible), HTML, CSS, Heroku, Combinatorial Optimization (constraint programming, mixed-integer optimization, or-tools, SCIP, CP-SAT), git, GitHub, unix/terminal tools (awk, sed, bash, jq, curl, ripgrep, neovim)