CJ Boake

cjboake.com & github.com/cjboake

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Profile

Enthusiastic, well rounded engineer experienced in building resilient systems. Obsessive interest in dev tools, language design, and compiler construction.

Technologies

C	Java	Javascript	Spring	x86 Assembly
SQL	REST	Unix	LaTeX	Git

Work

SOFTWARE ENGINEER I, EXPRESS SCRIPTS INT.   APRIL 2017–PRESENT

- Responsible for client migrations and implementations on to Automated Prior Authorization platform
- Built out modifications to business logic for medications dispensation to conform with state and federal laws
- Implemented client-facing interface for Insurance Adjusters and internal employees to set themselves as Out Of Office, and accordingly built out automated systems to recognize whom it should contact on an in office/out of office basis

Projects

C Compiler, CJCC

- Scratch-built C compiler that emits x86_64 Assembly without the use of any pre-made Lexer/Parser Generator tools or libraries
- Utilizes original data structures for lexing, tokenization, and implementation into Abstract Syntax Tree with a single, memory efficient node suitable for all data types

Data Server, RAPTOR

- Unix network server written in C that utilizes a variety of data structures to store and retrieve data upon which it performs statistical analysis.

Education

UNIVERSITY OF TAMPA   20011–2016

B.A. Writing, Poetry Focus