

# JIMMY COOK

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## LANGUAGES, TECHNOLOGIES, AND CONCEPTS

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**Professional Experience:** Java, Spring Framework, Apache Camel, REST, SQL, Groovy

**Personal Experience:** React, Redux, Python, Django, jQuery, JavaScript, Bootstrap, Angular, CSS, HTML

## EXPERIENCE

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GENOHM – **Software Engineer** (Sept 2017 - Present)

- Promoted from Junior Software Engineer to Software Engineer.
- Developed a RESTful service using Java/Spring/Camel to integrate our software with a liquid handling automation robot used in preparing DNA for sequencing.
- Train customers on using our API to develop their own integrations.

GENOHM – **Jr Software Engineer** (Jan 2017 - Sept 2017)

Durham, NC

- Consistently ship quality and clean production code.
- Work hands on with customers to identify needs and requirements. Design, develop, test, and deploy software to meet those needs.
- Reduced the time it takes new engineers to be ready to write production code by 50% by revamping the onboarding process.

## PERSONAL PROJECTS

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**Adaptive TDEE Web App:** Full stack web application built with Python and Django on the backend. The frontend is built with React and Redux. This web app calculates an individual's Total Daily Energy Expenditure(TDEE) based off daily logs for weight and calories consumed. The app will recommend the amount of calories an individual should eat per day based on their personal goals. The calculation adapts and becomes more accurate as the user enters more data. This adaptive calculator is much more accurate than most of the TDEE calculators on the web currently.

Github: <https://github.com/WJimmyCook/tdee-calculator>

**Vending Machine Web App:** Full stack web application using Java, AngularJS, HTML, CSS, Bootstrap, and AJAX. Spring MVC architecture with PostgreSQL database, JUnit testing. This is a fun little vending machine where you can put money into the machine and purchase a snack. There is also a backend screen with full CRUD functionality to add, remove, update, or delete items from the vending machine.

Github: <https://github.com/WJimmyCook/vending-machine>

## OTHER PROFESSIONAL EXPERIENCE

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DEPARTMENT OF DEFENSE CONTRACTOR (2011-2016)

Kandahar, Afghanistan

Employed in various Analyst roles in the defense industry. 2.5 years living and working in Kandahar, Afghanistan. Worked for the Defense Advanced Research Projects Agency (DARPA) on a new experimental body sensor for Special Operations Forces. Successfully deployed, tested, and validated the technology resulting in it being transitioned from a small DARPA research project into a fundamental military wide program.

PROFESSIONAL ONLINE POKER PLAYER (2008-2011)

As a professional poker player, I did in-depth analysis on fundamental strategy, game theory, and psychology of modern online poker games. This was financially rewarding experience and where I learned to self teach to an elite level.