

# Heather Samsel

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Website: <https://savycodr.github.io/personal-portfolio>

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## PROFESSIONAL TITLE

Full Stack Web Developer with background in architecture, engineering, and software development. Able to build sophisticated websites with full database backend from mockup to rollout. Continually increasing knowledge and experience by keeping abreast of evolving trends, techniques, and technologies to improve efficiency. Adept at working with diverse teams to implement projects.

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## TECHNICAL SKILLS

**Languages:** Java, UML, HTML5, CSS3, Javascript, JQuery, Bootstrap, Materialize, Firebase, SQL, Node, Express, Sequelize, Handlebars, Socket.io, Passport

**Applications:** Github, MySQL, Heroku, Postman, Zoom, Linter, Mocha, Chai

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## EDUCATION

<b>University of Pennsylvania</b>	expected July 2019
<i>Certificate in Full Stack Web Development,</i>	Philadelphia, PA
Intensive 24-week boot camp dedicated to designing and building web applications.	

<b>Washington University</b>	2000
<i>Master of Science, Mechanical Engineering</i>	St. Louis, MO

<b>Parks College of St. Louis University</b>	1993
<i>Bachelor of Science, Aerospace Engineering</i>	St. Louis, MO

<b>St. Louis University</b>	1993
<i>Bachelor of Arts Physics</i>	St. Louis, MO

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## PROFESSIONAL EXPERIENCE

<b>Software Engineer</b>	2000- 2002
<i>OpenText (formerly Hummingbird Communications)</i>	Tallahassee, FL
Designed, coded, and tested commercial Java software for document control and storage.	
<ul style="list-style-type: none"><li>● Introduced and directed UML for projects</li><li>● Created architecture for the testing, revision control, and builds</li></ul>	

**Senior Analyst**

1999-2000

*Wells Fargo Advisors (formerly A. G. Edwards)*

St. Louis, MO

Java mentor and technical lead for web based financial software. Consultant for integration with the enterprise infrastructure. Led projects; created schedules for iterative development. Designed and implemented coding and architectural standards. Wrote proofs of concept, collaborated with business users to create software specifications. Communicated design to developers using UML.

**Senior Engineer**

1996-1999

*The Boeing Company*

St. Louis, MO

Developed architecture to connect Java client interfaces with legacy software. Wrote code for application running structural analysis on virtual aircraft designs.

- Selected to represent Boeing on structural engineering team sent to Kuala Lumpur, Malaysia

**Engineer, Advanced Design**

1993-1996

*Lockheed Martin Aeronautical Systems*

St. Louis, MO

Developed software used for conceptualizing 3-D aircraft designs and analyzing capabilities. Wrote and presented aircraft design reviews to senior leadership. Created software to aid in the wiring design of the F-22 Raptor and the C-130J Hercules.

- Selected for the F-35 Joint Strike Fighter design team
- Aircraft designs were published in Aviation Week and Space Technology

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**ADDITIONAL WORK EXPERIENCE****Vice President**

2018-present

*Makefield Women's Association*

Lower Makefield, PA

Coordinate volunteer services at the homeless shelter. Raise funds for beneficiaries. Set and approve budget as a member of the finance committee.

- Member since 2015

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**PROJECTS****Forum Furniture Store** | [Link to Github](#) | [Link to deployed site](#)**Developer***Full Stack Furniture Store with authentication and chat capability.*

- Languages and technologies used: Javascript, JQuery, Sequelize, Handlebars, Sockets.io, Passport, Materialize

**Burger Restaurant Full Stack App** | [Link to Github](#) | [Link to deployed site](#)**Developer***A full stack burger creation app. Deployed to Heroku. Persists to MySQL database.*

- Languages and technologies used: Javascript, JQuery, Sequelize, Handlebars, Bootstrap