Heather Samsel

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

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.

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

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

Washington University   2000
Master of Science, Mechanical Engineering   St. Louis, MO

Parks College of St. Louis University   1993
Bachelor of Science, Aerospace Engineering   St. Louis, MO

St. Louis University   1993
Bachelor of Arts Physics   St. Louis, MO

PROFESSIONAL EXPERIENCE

Software Engineer   2000- 2002
OpenText (formerly Hummingbird Communications)   Tallahassee, FL
Designed, coded, and tested commercial Java software for document control and storage.
- Introduced and directed UML for projects
- Created architecture for the testing, revision control, and builds

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

PROJECTS

Forum Furniture Store | **Link to Github** | **Link to deployed site**
Developer
Full Stack Furniture Store that customizes for a user's style. 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
Full Stack Burger Creation app. Deployed to Heroku. Persists to MySQL database.
- Languages and technologies used: Javascript, JQuery, Sequelize, Handlebars, Bootstrap