

Sebastian Favè

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SUMMARY

Full-stack web developer with 6+ years of technical engineering experience understanding customer needs and providing solutions. Persistent problem solver motivated by new learning opportunities.

TECHNICAL SKILLS

Languages: JavaScript, Python 3

Front End: HTML5, CSS3, JavaScript ES6+, jQuery, Bootstrap, React.js

Back End: Node.js, Express.js, MySQL, Sequelize ORM, MongoDB, mongoose ODM, Handlebars

Tools: Git, GitHub, VS Code, node package manager, Heroku

WEB APPLICATION PROJECTS

Hike and Trail Tracker: Team lead, back end developer

<https://github.com/spfave/hike-tracker> | <https://gwu-hiker-tracker.herokuapp.com/>

- Full stack web app for hikers to record completed hikes and document trail information
- Lead developer for front end navigation routes and back end API routes plus controller logic
- Implemented user authentication and route protection with passport.js using a local strategy
- App uses handlebars.js for server-side rendering HTML front end views, Node.js with express.js for back end routes and controller logic, and MySQL with Sequelize ORM for data persistence and CRUD operations

Food and Fitness: Team lead, front end developer

<https://github.com/spfave/food-fitness-tracker> | <https://spfave.github.io/fitness-exercise-food-selector/>

- Single page client-side web app to allow app users to record completed exercises and meals prepared
- Lead developer for wger workout manger REST API consumption for app exercise data
- App uses Foundation CSS framework for front end styling, JavaScript for API utilization and dynamic front end view modification, and client local storage for data persistence

Tech Blog: Full stack developer

<https://github.com/spfave/blog-site-mvc> | <https://spf-tech-blog.herokuapp.com/>

- Full stack web app providing content management system (CMS) for a personal web blog
- App follows model view controller design paradigm, uses handlebars.js for view rendering, Node.js and express.js for route definition and controller logic, and an ORM for database CRUD operations

WORK EXPERIENCE

Mechanical Engineer (Active DoD Secret Clearance)

2016 - Present

Naval Surface Warfare Center Carderock Division

Bethesda, MD

- Serves as technical lead for air cushion vehicle composite structure, overseeing two procurement task orders for contractor lead design and fabrication of prototype components, manager for Navy lead design analysis effort, and response management for emerging issues on composite components
- Performs design and structural analysis for Navy composite structures, developing first principal analysis tools to guide design efforts and executing detailed structural simulations to assess component design integrity
- Delivers knowledge documentation and communication via technical reports, Navy Program Executive Office customer relations, and Navy Senior Executive Service briefings
- Operates in a dynamic work environment supporting multiple programs with shifting and emergent task priorities responding to Navy sponsor needs to complex challenges

Naval Architect

2014 - 2016

Naval Surface Warfare Center Carderock Division

Bethesda, MD

- Completed two years of Navy workforce acquisition development training concurrently with work tasking and on the job technical knowledge advancement
- Quickly integrated into engineering management, analysis, and test teams to contribute to ongoing work efforts during work placement rotations with six departments at three Navy/Defense organizations

EDUCATION

Certificate Full Stack Web Development

July 2021

George Washington University, Washington, DC

M.S. Aerospace Engineering

May 2014

B.S. Ocean and Aerospace Engineering, May 2012

Virginia Polytechnic Institute & State University, Blacksburg,