

PHILIPPE FONZIN

Software Engineer

New York, NY

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

Java, Spring Boot, Kafka, JUnit, Mockito, Azure, Snowflake, Gradle, Maven, Jira, Confluence, SonarQube, Ruby, Rails, MySQL, PostgreSQL, MongoDB, Apollo, Express, Git, jQuery, RSpec, AWS S3, Docker, AJAX, AXIOS, HubSpot, Linux, Bash Scripting

EXPERIENCE

Java Software Developer | Nisum Technologies

Jan 2021 - Oct 2022

- Utilized **Spring Boot** and **Java 1.8** to build and maintain five microservices in accordance with the client's business goals.
- Implemented **gRPC** and **REST** architecture to create secure and highly performant **APIs** that interact with SQL and NoSQL databases, decreasing API response time and increasing customer retention rate.
- Created **unit tests**, **component tests**, and **integration tests** using **JUnit** and **Mockito** to ensure proper microservice performance, prevent bugs, and maintain 80% Sonar code coverage.
- Employed **Kafka** to build and maintain low latency / high throughput streaming data pipelines between five **microservices**, thus maintaining strong data integrity for event-sourcing and improving application responsiveness.
- Used **Jenkins** to compile, build, test, and deploy incremental code changes, increasing the early detection of bug defects and streamlining the **Agile** release cycles.
- Lead the onboarding of new team members by explaining internal protocols, technologies, and the overall structure of how our five microservices interact, along with serving as a mentor throughout a new team member's first 180 days.

Founder / Audio Engineer | House of Mau Recordings

Jun 2017 - Oct 2019

- Utilized the Pro Tools and Logic Pro audio recording software to record and mix audio for clients by adjusting and manipulating audio sources using compression, equalization, and audio effects to produce professional quality music.
- **Managed a four person production** team by providing training on recording techniques and scheduling clients to ensure we provided the client with an exceptional product and experience.

Aero Repair Journeyman | United States Air Force

Oct 2007 - Aug 2013

- Maintained \$880M of military assets in **collaboration with a 27 member technician team**: managing landing gear, flight controls/engine throttle control systems for troubleshooting, adjustment, and repair to assure mission readiness.
- Managed skill-level upgrade training for assigned aircraft personnel by administering tests, assuring proper documentation of results into the global maintenance data control system, and monitoring compliance with safety standards.

PROJECTS

Beamergram (ReactJS, Redux, Rails, PostgreSQL) | Photo sharing app for the BMW enthusiast community

[Live](#) | [Github](#)

- Incorporated a file upload feature from frontend to backend utilizing the **FormData web API** to send image files to the backend and **AWS SDK** to transfer files to the **S3 bucket**.
- Initialized custom **user authentication** using **BCrypt** and **ActiveRecord** to hash, salt, and store user passwords to secure the integrity of user accounts.

Watch Tower (React.js, MongoDB, Apollo, Node.js, GraphQL) | Stock trading app

[Live](#) | [Github](#)

- Designed a ticker search feature that populates the results field with suggested tickers based on the company name by initializing **asynchronous calls** to the **Financial Modeling API** making it possible for the user to look up a company's stock information without having to know the exact ticker.
- Created a feature to **fetch and cache** all financial data in five minute intervals and only re-render information that has changed since the previous fetch, **maximizing data processing speed to the database**.

EDUCATION

Web Development - *App Academy*

BA Philosophy - *St. John's University*