

# Eric Kirberger

102 Crest Court

Milford, PA 18337

Phone: 908-229-0170

Email: [erickirberger@gmail.com](mailto:erickirberger@gmail.com)

LinkedIn: [LinkedIn](<https://linkedin.com/in/eric-kirberger/>)

GitHub: [GitHub](<https://github.com/ekirbs>)

Portfolio: [Portfolio](<https://ekirbs.github.io/react-portfolio/>)

## Summary

Dedicated Full-Stack Java Developer with experience in design, development, and Agile methodologies like SCRUM, Test-Driven Development (TDD), Incremental and Iteration methodology, and Testing using Software Development Life Cycle. Experienced in Development, Testing, and Deployment of enterprise applications on Windows, Linux, and UNIX platforms using IDEs such as Eclipse, VSCode, and IntelliJ14.X/15.X.

## Technical Skills

### Back-End Development

- Languages: Java
- Frameworks & Libraries: Spring Boot, Spring Security, Spring Batch, Spring Eureka, Spring ORM, Lombok
- Build & Dependency Management: Maven, NodeJS
- APIs & Tools: Apollo Server, Express.js, Axios

### Front-End Development

- Languages: JavaScript, TypeScript, HTML, CSS, SASS
- Frameworks & Libraries: React.js, Vue.js, Angular, jQuery
- Styling Frameworks: Material UI, Bootstrap, Bulma, Materialize

### Database Management

- SQL: MySQL, PostgreSQL, Sequelize
- NoSQL: MongoDB, Mongoose

### Cloud & Deployment

- Platforms & Services: AWS (CloudFormation, S3, ECR, ECS, RDS, SecretsManager, Simple Email Service, VPC, Load Balancers), Firebase/Firestore, Heroku
- Containers & Orchestration: Docker, ECS

### DevOps & CI/CD

- Tools: Jenkins, SonarQube, Jacoco
- CI/CD Configuration & Scripting: Jenkinsfiles (Groovy), YAML
- Version Control: Git, GitHub, GitLab, GitBash

### API & Documentation Tools

- API Testing & Documentation: Swagger, Insomnia, GraphQL

### Workflow & Project Management

- Tools: Jira, Confluence

## **Featured Projects**

### **Financial Banking Application – Data Generation and Batch Services**

**Mar, 2023 - Present**

*GitLab: [https://git1.smoothstack.com/cohorts/2023/2023\\_12\\_11\\_java/organizations/the-ledger-legends](https://git1.smoothstack.com/cohorts/2023/2023_12_11_java/organizations/the-ledger-legends)*

A Spring Batch microservice that performs data generation and data filtering. Each batch job can filter and parse log files to receive critical information for the bank to make effective, analytical based decisions.

- Designed a batch job in Spring Batch to analyze and enrich data from 24-million-line CSV file.
- Leveraged multi-threading to boost Batch jobs efficiently.
- Securely transmitted data across networks.

**Environment:**

Java – Spring Boot, Spring Batch | SQL – PostgreSQL | TypeScript – Angular | Jasmine | REST APIs | Docker | CI/CD – Jenkins | AWS Services

### **Financial Banking Application**

**Dec, 2023 - Present**

*GitLab: [https://git1.smoothstack.com/cohorts/2023/2023\\_12\\_11\\_java/organizations/the-ledger-legends](https://git1.smoothstack.com/cohorts/2023/2023_12_11_java/organizations/the-ledger-legends)*

A banking application with both a public member portal and an administration portal. Utilizes multiple core microservices that are used to comprehensively execute main application functionalities such as member registration, executing credit/debit card transactions, account balance management, member management, and loan management.

- Produced a comprehensive RESTful microservice architecture.
- Utilized Spring framework (core | IoC | Web | Security).
- Efficiently leveraged Amazon Web Services (AWS) for a high availability, on demand, cloud delivery solution.
- Properly managed data confidentiality and integrity both at rest and in transit.
- Enabled and managed the accurate, and reliable transmission of data between the data layer and the presentation layer through the use of DAOs and DTOs.
- Ensured robust continuous delivery through a Jenkins managed CI/CD pipeline.

**Environment:**

Java – Spring Boot, Spring Security, Spring Data JPA over Hibernate | Junit | SQL – PostgreSQL | JavaScript – React.js | Jest | Typescript – Angular | Jasmine | HTML | CSS | Material UI | REST APIs | Docker | CI/CD – Jenkins | AWS – RDS, ECS, S3, CloudFormation | Agile Framework

### **Task Sandwich**

**Feb, 2023**

*GitHub: <https://github.com/sam-lerner/task-sandwich>*

A MERN project-management platform with built-in rewards system.

- Developed clean front-end using React.js, HTML, CSS, and Bootstrap for intuitive, user-friendly experience.
- Implemented mobile-first responsive web design.
- Utilized Node.js and React.js components to interact with MongoDB, Apollo Server, and GraphQL for seamless database operations.

**Environment:**

JavaScript – React.js | NoSQL - MongoDB | HTML | CSS | Bootstrap | REST APIs | Heroku

## **Professional Experience**

### **Full-Stack Java Engineer - Associate**

*Smoothstack*

**Milford, PA**

*Dec 2023 – Present*

- Expanded training into Java, Angular, and many other areas of software development.
- Operated on a team to implement financial and batch services in a professional setting.
- Deepened my core knowledge of fundamental professional, technical, and DSA principles.

### **Report Administrator, QA/QC Administrator**

*LEW Environmental Services*

**Mine Hill, NJ**

*March 2021 – June 2022*

- Audited complex technical and legal reports for accuracy and consistency.
- Communicated effectively with team and clients to meet project requirements.
- Trained and supervised new employees, fostering a skilled workforce.

### **Founder, Head Instructor**

*Central Heights Fencing Club*

**Stirling, NJ**

*June 2010 – April 2020*

- Managed fencing schedules for 2 teams, adapting as needed.
- Developed innovative lesson plans to enhance student engagement.
- Created a supportive environment, boosting participation.

### **Teacher**

*Long Hill Township School District*

**Morris County, NJ**

*September 2012 – April 2020*

- Taught core subjects to diverse student groups, adapting methods to student needs.
- Enhanced lessons with creative approaches, sparking student interest.
- Developed individualized plans for students with varying learning levels.

## **Education**

### **Rutgers State University Full Stack Web Development Program**

*Full Stack Web Development Certificate*

**New Brunswick, NJ**

- Proficiency in React, Handlebars, HTML5, CSS3, JavaScript.
- Database development using MongoDB and MySQL.
- Server building with Express.js and Apollo/GraphQL.
- Equipped with skills for effective project management in dynamic development environments.

### **Rutgers State University**

*Bachelor's Degree in Philosophy w. minor in History*

**New Brunswick, NJ**