Eric Kirberger

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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, PyCharm, and IntelliJ14.X/15.X.

Technical Skills

Back-End Development
- Languages: Java, Python
- 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, Next.js, Vue.js, Angular, jQuery
- Styling Frameworks: Material UI, Bootstrap, Bulma, Materialize, Tailwind

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), Azure, 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

Testing & Quality Assurance
- Frameworks & Libraries: JUnit(Java/Spring Boot), Mockito(Java/Spring Boot), Jest(React), Jasmine(Angular)

Featured Projects

Financial Banking Application – Data Generation and Batch Services   **Mar 2023 – Oct 2024**
   GitLab: 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 files.
- 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 – Oct 2024**
   GitLab: 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 using 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

Software Engineer   **Milford, PA**
Compose Health, Inc.   *November 2024 – Present*

- Developed a responsive and dynamic UI using TypeScript and the Next.js framework to deliver a positive user experience.
- Designed and implemented efficient routing, navigation, and state management systems for optimal performance and maintainability.
- Integrated the front end with a Python backend using structured CRUD methodologies to aggregate, process, and transmit data to various LLMs, then dynamically acted on the returned results.

Full-Stack Java Engineer - Associate   **Milford, PA**
Smoothstack Inc.   *Dec 2023 – October 2024*

- Architected and deployed scalable microservices using Java and Spring Boot, enhancing the performance and reliability of banking operations while ensuring seamless integration with third-party APIs.
- Collaborated in an Agile SCRUM environment to deliver secure, high-performance financial services, leveraging Angular for dynamic front-end development and PostgreSQL for optimized backend data management.
- Spearheaded the design and implementation of batch processing workflows with Spring Batch, automating high-volume data transactions and improving system efficiency for mission-critical banking functions.
- Led a team in the development of a stock trading platform with real-time simulated market data via open socket communication, integrating a large language model (LLM) to process aggregated data and deliver AI-driven insights for enhanced decision-making.

Report Administrator, QA/QC Administrator   **Mine Hill, NJ**
LEW Environmental Services   *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 employees, fostering a skilled workforce.

Founder, Head Instructor   **Stirling, NJ**
Central Heights Fencing Club   *June 2010 – April 2020*

Teacher   **Morris County, NJ**
Long Hill Township School District   *September 2012 – April 2020*

Education

Rutgers State University Full Stack Web Development Program   **New Brunswick, NJ**
Full Stack Web Development Certificate

- Proficiency in React, Handlebars, HTML5, CSS3, JavaScript.
- Database development using MongoDB and MySQL.
- Server building with Express.js and Apollo/GraphQL.

Rutgers State University   **New Brunswick, NJ**
Bachelor's Degree in Philosophy w. minor in History