

Senior Full Stack Engineer with over 5 years of experience in designing, developing, and deploying scalable web applications using **Java**, **Node**, and **Python** technologies. Expertise in leveraging **AWS** cloud services such as **EC2**, **S3**, **RDS**, and **Lambda** to build scalable and resilient applications. Proficient in modern Java frameworks including **Spring**, **Hibernate**, and **Spring boot** with extensive experience in microservices architecture and RESTful web services. Skilled in DevOps practices, utilizing tools like **Jenkins**, **GitHub Actions**, **Docker**, and **Kubernetes** for continuous integration, continuous delivery, and automated deployments. Strong background in database management, performance tuning, and full-stack development, with a focus on delivering high-quality, maintainable code in **Agile** environments.

Education

Stony Brook university
Bachelor of Computer Science

New York, United States
02/2007 - 09/2011

Certification

Software Engineer — hackerrank.com

AWS certificate for Developer — aws.amazon.com

Experience

 **Notion** California, United States
02/2020 - 09/2024

Senior Full Stack Engineer

Notion is a leading productivity platform enabling teams to collaborate, plan, and manage projects seamlessly. As a Senior Full Stack Engineer, I successfully delivered two projects: **Notion Projects** and **Notion Calendar**.

Skills: JavaScript, TypeScript, React.js, Redux, Next.js, Spring Boot, Node.js, Express.js, GraphQL, Redis, Elasticsearch, Kafka, RabbitMQ, Kubernetes, Docker, API Gateway, AWS(S3, Lambda, EC2, DynamoDB, RDS, EKS, CloudWatch), Jest, JUnit, Mockito, Cypress, WebSockets, OAuth2, JWT, RBAC, CORS, Prometheus, Grafana, PostgreSQL, MongoDB, MySQL.

- Developed a **User Management Service** supporting **SSO** with **OAuth2** and **JWT-based authentication**, ensuring secure and seamless user access.
- Focused on **User Profile Management**, enabling **CRUD** operations for personal details, avatars, and preferences using **React.js** and **PostgreSQL**, with media files stored on **AWS S3**.
- Led the development of the **Collaboration Service**, overseeing the entire process, including architecture, real-time updates, and integrations.
- Implemented **real-time collaboration** with **WebSockets** and **Operational Transformation (OT)**, allowing simultaneous edits and rich commenting features.
- Used **Redis Pub/Sub** for low-latency notifications, instantly synchronizing task updates and user comments across active sessions.
- Designed microservices with **Kafka**, implementing **CQRS** and **Event Sourcing** for reliable state management and consistent data.
- Enhanced search capabilities using **Elasticsearch**, enabling fast, full-text search for tasks, comments, and user profiles.
- Achieved scalability and fault tolerance with **Kubernetes** orchestration and an **API Gateway** for routing and load balancing.
- Built an **interactive calendar** with daily, weekly, and monthly views, offering smooth navigation and customization using **React.js** and **Redux**.
- Integrated **real-time synchronization** via **WebSockets** and **GraphQL Subscriptions**, ensuring instant updates for shared events.
- Developed **smart conflict resolution** for overlapping edits, maintaining data integrity during concurrent updates.
- Enabled advanced **recurring event management** with flexible scheduling and exceptions, supporting complex calendar use cases.

Skills: Java, JavaScript (ES6+), TypeScript, SQL, Spring Boot, React, Context API, Netflix Zuul, AWS (EC2, S3, Lambda, RDS, CloudWatch), Docker, Kubernetes, Jenkins, RabbitMQ, Kafka, JUnit, Mockito, Postman, Swagger, PostgreSQL, MongoDB, MySQL, Redis, Jenkins, Git, Hibernate, JSP, JDBC, Python (FastAPI).

- Designed and developed APIs for **order placement**, retrieval, and status tracking using **Spring Boot** and **Java**, ensuring robust integration with payment and inventory systems.
- Implemented a **saga pattern** to manage distributed transactions, maintaining data consistency across the **Order, Inventory, and Payment** Services.
- Optimized order data storage with **PostgreSQL**, deployed on **AWS RDS** with automated backups and failover for reliable performance.
- Developed an order management dashboard using **React** and **Context API**, ensuring a user-friendly and responsive experience.
- Implemented an **API Gateway** with **Spring Boot** and **Netflix Zuul**, optimizing routing, load balancing, and security across microservices.
- Integrated **RabbitMQ** for asynchronous communication, enabling reliable message exchange and handling event-driven workflows.
- Worked with DevOps teams to automate CI/CD processes using **Docker, Kubernetes, and Jenkins**, streamlining deployments.
- Built cloud infrastructure with AWS services like **EC2, S3, and Lambda**, supporting real-time notifications and scalable storage.
- Developed and maintained unit tests with **JUnit** and **Mockito**, and performed end-to-end API testing using **Postman** and **Swagger**.



HCA Healthcare

Tennessee, United States

Full Stack Engineer

10/2011 - 07/2014

HCA Healthcare is a leading healthcare provider focused on delivering advanced medical technologies and patient care solutions. As a Full Stack Engineer, I contributed to the development of the **PatientKeeper** platform, a clinical workflow solution used by healthcare professionals to streamline patient management.

Skills: Java (Core Java, Java EE, Java Servlets), JavaScript, HTML5, CSS3, jQuery, AJAX, SQL (Oracle DB), MongoDB, JUnit, Mockito, Jenkins, Git.

- Designed and implemented user-friendly interfaces using **JavaScript, HTML, CSS, and jQuery**, simplifying navigation for clinicians and enhancing overall user experience.
- Developed secure, efficient server-side applications with **Java** and **Spring Framework**, focusing on core functionalities such as **patient record management, medication tracking, and appointment scheduling**.
- Optimized and maintained relational database schemas in **Oracle DB**, ensuring efficient storage and retrieval of high-volume **patient information**.
- Built secure **RESTful APIs** with **Java Servlets** to enable integration with third-party systems.
- Created and executed unit tests with **JUnit** to validate code functionality and ensure reliability.

Skills

Backend:

Java 8/11/17 • Spring Boot • Spring MVC • Spring WebFlux • Spring Cloud • Eureka • Spring Cloud Gateway • Spring Security • Keycloak • Hibernate • JPA • JDBC • Node.js • Express.js • NextJS • Python • Django • Flask • Kafka • RabbitMQ • TypeScript • ASP.NET • C# • FastAPI

Frontend:

Next.js • React.js • TypeScript • JavaScript • Angular.js • Vue.js • Vuex • HTML5 • CSS3 • Bootstrap • Redux • Nuxt.js • SASS • TailwindCSS • LESS • Responsive Design • Figma • Shadcn-UI • AntDesign • Material-UI • Adobe XD

Databases: SQL • MySQL • PostgreSQL • MongoDB • Redis

Cloud: AWS (EC2, Lambda, RDS, DynamoDB, ET, etc), GCP, Azure, Docker, Jenkins, CircleCI, K8s, RabbitMQ