

# PRANAV BHOOPAL

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## EDUCATION

Master Of Science In Information Systems | Northeastern University | Boston MA

Dec 2026

## EXPERIENCE

Software Engineer | Punarva Eco Fintech

Jul 2023 - Jul 2024

- **Architected and Engineered** robust RESTful services using **Spring Boot**, accelerating API response times by 30%
- **Orchestrated** CI/CD pipelines via **Jenkins** and **GitHub Actions**, cutting deployment cycles in half.
- **Optimized** relational schemas in **PostgreSQL**, reducing average query latency by 40% via indexing and query refactoring.
- **Deployed** microservices on **AWS EC2**, provisioned **Amazon RDS** for PostgreSQL.

Software Engineer | Advanced Healthcare Solutions

Jan 2021 - Jul 2023

- **Built and enhanced** an internal content-creation tool using **React/ASP.NET**; migrated its **CI/CD** pipeline from **Jenkins** to **GitHub Actions**, boosting deployment reliability and team productivity.
- **Streamlined workflows** by automating **XML-based** content generation and **regex-driven text extraction**, cutting manual processing time by 25%.
- **Improved code quality** by proactively resolving **critical SonarQube issues**, raising quality metrics by 26%, reducing technical debt, and increasing app stability.
- **Executed thorough regression testing** across deployments, slashing **post-release defects by 28%** and ensuring consistent release success.
- **Managed code versions and deployments** via **Git integrated with Jenkins/GitHub Actions**, and deployed scalable applications to **AWS (ECS, EC2, Lambda)** ensuring seamless, reliable releases.
- **Earned a Spot Award** in April 2023 by **diagnosing and resolving a major server performance** issue at a client site, demonstrating strong analytical and troubleshooting skills.
- **Facilitated Agile ceremonies** including weekly stand-ups and sprint planning, ensuring timely feature delivery and fostering cross-team collaboration.

## PROJECTS

[Bullion-X Stock Portfolio Simulator \(In Progress\)](#) | Angular, RxJS, Spring Boot, Java, JWT, Docker, Kubernetes, AWS (EKS), PostgreSQL

- **End-to-End Microservices:** Designed and implemented modular **Spring Boot services** (Auth, Portfolio, Market Data) secured with **JWT** and persisted in **PostgreSQL**, ensuring **high cohesion and independent deployability**.
- **Reactive Front-End:** Developed a responsive Angular app **leveraging RxJS for real-time data flows**, Canvas-based candlestick animations, and a **component-driven architecture for rapid feature iteration**.
- **Containerized Cloud Deployment:** Dockerized services and orchestrated via **AWS ECS/EKS with CI/CD pipelines**, enabling zero-downtime updates and autoscaling to handle dynamic trading workloads.

[Mindvault - Private Journaling](#) | Angular, Spring Boot, Java 17, JWT, AES-256, PostgreSQL, AWS

- **End-to-End Privacy:** **AES-256 encrypted** journal text at rest, **HTTPS + JWT secure it in transit**; Spring Security enforces per-user access with **BCrypt-hashed credentials and configurable CORS**.
- **Cloud-ready Micro-Monolith:** Containerised **Spring Boot API** and Angular static bundle deploy cleanly to AWS Elastic Beanstalk (t3.micro) + **S3/CloudFront; PostgreSQL (RDS) via env-injected secrets, automated CI/CD** and zero-downtime blue-green updates.

## SKILLS

Programming Languages : Java, C#, JavaScript, TypeScript

Web Technologies : HTML5, CSS3, jQuery, ReactJs, NodeJS, Angular, Redux, Redux, Next.js, Tailwind CSS

Databases & Cloud : SQL Server, PostgreSQL, OracleAWS, Azure, DynamoDB, MySql

Framework : Java Spring Boot, ASP.Net, .Net Core, .Net Framework

Tools : Figma, Postman, JIRA, GitHub, Docker Compose, Kubernetes Helm, Jenkins