

SAPNADIP BAIDYA

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SKILLS

- **FRONT-END DEVELOPMENT:** Micro-Frontend, React.js, Redux, NextJs , ExtJs, Material UI, Bootstrap, HTML5, CSS3
 - **BACK-END DEVELOPMENT:** Java, Python, Spring Boot, Hibernate, Express.js, Node.js, FastAPI, SQL, Redis, WebSockets, Microservices, RESTful APIs, JUnit, ClickHouse
 - **CLOUD & DEVOPS:** AWS (Lambda, S3, EC2), GCP, Kubernetes, Jenkins, GitLab CI/CD
 - **DATA ENGINEERING:** Directed Acyclic Graph (DAG), Apache Airflow, Collaborative Filtering, Machine Learning
 - **TOOLS & MISCELLANEOUS:** Git, JIRA, Agile, Scrum
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EXPERIENCE

2025-Present

MARKETS AND MARKETS

Pune, India

SOFTWARE ENGINEER

- **Owned the design and implementation** of the SalesPlay UI layer using React.js, enhancing system responsiveness by 30% and streamlining customer journeys.
- **Architected and delivered a scalable, database-driven UI framework**, enabling rapid UI deployment and cutting development time by **80%** across cross-functional teams.
- **Designed** a hybrid **MongoDB and SQL architecture**, enhancing data retrieval performance and supporting complex analytics use-cases, resulting in a **30% reduction in average query latency** and **improving data throughput by 60%**
- **Developed and launched an AI-powered chatbot interface** leveraging WebSockets, Retrieval-Augmented Generation (RAG), and tool integration—driving a **60% increase in customer satisfaction scores**
- **Spearheaded API development** using Java, Spring, Python, Flask, and FastAPI, expanding system functionality by **25%** and enabling smooth third-party ecosystem integrations.
- Provided **L2/L3 support** for high-impact client issues, maintaining a **95% client satisfaction score** with a 24-hour resolution SLA.
- **Engineered and deployed highly reusable UI components**, including dynamic tables, cards, and containers—with full support for recursive rendering of dynamic data structures, promoting scalability and code reusability.

2022-2025

HIGHRADIUS

Hyderabad, India

ASSOCIATE SOFTWARE ENGINEER

- **Led** a team to modernize legacy systems using React.js, Java, and Spring, **driving** a 40% uptick in platform performance and **scaling** usage to over 1,000 concurrent enterprise users.
- **Instituted** data-driven workload balancing through custom round-robin algorithms in Java & Spring, **expediting** delivery of high-impact projects and **achieving** a 50% reduction in delivery times.
- **Optimized** back-end architecture, **slashing** operational costs by 40% and **amplifying** application speed by 50% through SQL tuning and Redis integration.
- **Pioneered** automation in business processes by **implementing** a digital booking solution, **minimizing** labor costs by 30% and office overhead by 10%

SOFTWARE ENGINEERING INTERNSHIP , 1 year full-time

- **Enhanced** software quality through the **automation** of testing pipelines with PuppeteerJS, **elevating** test coverage and system reliability by 80% for AI-powered modules.
 - **Accelerated** product development for a \$2M Autonomous Credit Application by architecting modular, reusable UI components, **shrinking** release cycles by 70%
 - **Streamlined** compliance and document management by **designing** and **deploying** APIs for expiry management and approval workflows, **reducing** turnaround times by 40% and **enabling** 300+ customer requests monthly.
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AWARDS & ACHIEVEMENTS

- [Highako of the quarter Q4 2022-2023](#) **Recognized as Highako of the Quarter (Q4 2022-2023)** for delivering critical project milestones 30% **ahead** of schedule and achieving **95% client satisfaction**
 - Facilitated an engaging online [workshop on IoT](#) and ML, resulting in the creation of a dedicated community forum that now supports 50+ ongoing discussions and knowledge-sharing among participants.
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EDUCATION LOVELY PROFESSIONAL UNIVERSITY , **B.TECH ECE 8.02 CGPA , 2019 - 2023**