

# Preet Patel

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## SUMMARY

Software Engineer with **4+ years** of experience across industry roles and internships building **backend and distributed systems**, production automation, and reliability tooling. Strengths include **debugging complex failures**, designing service boundaries/APIs, and improving operational visibility with **telemetry (logs/metrics/tracing)**. Experience integrating **LLM/RAG agent workflows** with evaluations and retrieval patterns to improve quality and safety in real applications.

## TECHNICAL SKILLS

Languages	Python, JavaScript/TypeScript, Node.js
Backend/Systems	REST APIs, Microservices, Queues, Caching, RBAC, Distributed Tracing/Telemetry, Reliability
Cloud/DevOps	AWS (EC2, S3, Lambda), Docker, Git, GitHub Actions, CI/CD, Linux
Datastores	PostgreSQL, MongoDB, MySQL, Firebase
AI/ML	PyTorch, OpenCV, CNNs, LLM Agents (RAG, evaluations, prompt orchestration)

## EXPERIENCE

<b>Ocean Shark LLC</b> <i>Software Engineer (Full-Time)</i>	Sep 2025 – Present New Jersey, USA
<ul style="list-style-type: none"><li>Led development of scalable backend services in <b>Node.js &amp; Python</b> backed by <b>PostgreSQL</b>, queues, and caching for data-intensive workflows and internal platforms.</li><li>Implemented <b>observability + distributed tracing</b> (service-level telemetry, structured logs, debugging hooks), reducing time-to-diagnose production failures by <b>45%</b>.</li><li>Integrated <b>LLM agent workflows</b> (prompt orchestration, embeddings retrieval, golden-set evaluations, hill-climb tuning) to improve output quality and system robustness.</li><li>Defined API contracts and service boundaries; partnered cross-functionally to deliver features end-to-end with reliability and security considerations.</li></ul>	
<b>Ocean Shark LLC</b> <i>Software Engineer Intern</i>	Jun 2024 – May 2025 United States — Hybrid
<ul style="list-style-type: none"><li>Built and scaled <b>Node.js + AWS</b> microservices; improved query plans and caching strategies to reduce backend <b>P50 latency by 30%</b>.</li><li>Developed <b>CI/CD pipelines</b> with <b>Docker</b> and <b>GitHub Actions</b>, reducing deployment overhead by <b>50%</b> and improving release safety.</li><li>Designed internal APIs and <b>RBAC middleware</b> with validation and audit logging to support multi-tenant usage and controlled access.</li><li>Built internal monitoring tools to track job throughput and system health signals, improving operational clarity and on-call response.</li></ul>	
<b>Adaptable Services</b> <i>Full-Stack Developer</i>	Nov 2022 – Jul 2023 India — On-site
<ul style="list-style-type: none"><li>Delivered full-stack product features with emphasis on backend correctness, API stability, and maintainable code structure.</li><li>Built operational dashboards and admin tooling to improve visibility into workflows and reduce manual coordination overhead.</li></ul>	
<b>Eve Healthcare</b> <i>Software Engineer</i>	May 2020 – Nov 2022 India
<ul style="list-style-type: none"><li>Developed backend components for healthcare workflows; supported production debugging and implemented fixes to reduce repeat incidents.</li><li>Improved validation and logging patterns to increase data correctness and speed up root-cause analysis in production.</li></ul>	
<b>Bosch Chassis Systems India Pvt. Ltd</b> <i>Machine Learning Engineer Intern</i>	Jun 2022 – Aug 2022 Pune, India
<ul style="list-style-type: none"><li>Analyzed <b>100,000+</b> time-series datapoints; built models to flag abnormal patterns and predict maintenance windows.</li><li>Automated Python ETL/reporting and dashboards; reduced manual diagnostic workload by <b>40%</b> and improved alert signal quality.</li></ul>	

## EDUCATION

<b>New York University</b> <i>M.S. in Computer Science</i>	Sep 2023 – May 2025 GPA: 3.59
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## SELECTED ENGINEERING PROJECTS