

Brian (Bharat) Chandra

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AI Resume Chatbot: bharat-resume-chat-bot-widget.onrender.com

SKILLS

Languages: Python, Java, SQL, JavaScript, Go, C

Cloud & Infrastructure: AWS (ECS, Batch, Lambda, Route 53, S3, EMR), Docker, Kubernetes, CI/CD, Terraform

AI Tools: LangChain, OpenAI API, Generative Pretrained Transformers, Neural Networks, Hugging Face Transformers, PyTorch, TensorFlow, LlamaIndex, MLflow, Weights & Biases

Frameworks/Libraries: Django, FastAPI, Pandas, Pytest, PySpark, Spring Boot, Express.js, React

Tools/Technologies: Snowflake, MySQL, Airflow, Cassandra, NoSQL, Node.js, Jenkins, Git, RESTful API, New Relic, Splunk, PagerDuty, OpenTelemetry, Maven, JUnit

Competencies: Cloud Engineering, AI/ML Engineering, System Design, OOP, Microservices, Full-Stack Development

WORK EXPERIENCE

Capital One

Aug 2024 - Present

Site Reliability Engineer

McLean, VA

- Developed SRE+, a one-click onboarding platform streamlining adoption of best practices across Capital One bank tech, successfully piloted with 20+ teams and 250~ repositories
- Architected scalable infrastructure using AWS ECS Fargate with auto-scaling groups for core API, AWS Batch with multithreading for data pipeline, Amazon S3 for static UI pages, and AWS CloudWatch monitoring
- Built platform modules enabling one-click subscription to critical services: CAR (automated Docker updates), AVR-SG (AWS security group automation), N-1 (production rollback automation), and Hibernator (AWS infrastructure cost optimization)
- Established comprehensive observability using CloudWatch, New Relic, OpenTelemetry, and PagerDuty for proactive monitoring and incident management

Capital One

Aug 2023 - Aug 2024

Software Engineer

McLean, VA

- Architected third-party SaaS catalog serving 2,000+ daily requests, centralizing exception approvals, onboarding status, and ownership using Python, AWS Lambda, and Snowflake
- Developed unified view of approved applications across CMDB datasets, optimizing access decisions and reducing redundant development efforts
- Engineered ML-driven ETL pipeline using Python, PySpark, and AWS EMR, saving \$45K annually in processing costs
- Implemented resilient microservices with circuit breakers and retry mechanisms, achieving 99.99% availability across AWS regions
- Created real-time monitoring dashboard using New Relic and Splunk, reducing MTTR by 40% through automated alerting

EDUCATION

University of California, Berkeley

Aug 2019 - May 2023

Bachelor of Arts in Computer Science, GPA: 3.9/4.0

Berkeley, CA

Relevant Courses: Computer Security, Software Engineering, Algorithms, Databases, Artificial Intelligence

Honors: Dean's List Recipient (High Distinction, 2022-2023)

Other: Co-Author, HCI Paper on the Efficiency & Usability of Voice Assistants/NLP Models (2022)