

CHRIS HARPER

Senior Software Engineering Leader | Cloud Architect | Engineering Manager

Email: chris@cloudcodetree.com | Phone: 512-938-9697

Location: Austin, TX 78704 | LinkedIn: [linkedin.com/in/cloudcodetree/](https://www.linkedin.com/in/cloudcodetree/)

PROFESSIONAL SUMMARY

Engineering Manager & Cloud Architect with 25+ years of comprehensive experience in full-stack development, cloud architecture, infrastructure automation, enterprise application design, and AI/ML systems. Proven track record of leading cross-functional teams of 8-15 engineers, driving digital transformation, and delivering scalable solutions from concept to production. Expert in AWS cloud migrations, CI/CD implementation, microservices architecture, DevOps practices, database design, API development, modern web frameworks, and AI agent development.

TECHNICAL EXPERTISE

Artificial Intelligence & Machine Learning

AI Agent Development • Large Language Models (LLMs) • OpenAI GPT Integration
Claude API • Prompt Engineering • RAG • Vector Databases • AI-Powered Automation

Full-Stack Development & Architecture

Frontend: React • Angular • Vue.js • TypeScript • JavaScript • HTML5 • CSS3/SCSS
Backend: Node.js • Python • Java • Express • RESTful APIs • GraphQL • Microservices

Cloud Platforms & DevOps

AWS (Lambda, ECS, EKS, EC2, S3, RDS, VPC, API Gateway, Route53, CloudFormation)
Azure • Infrastructure as Code (Terraform, CDK) • CI/CD Pipelines • Docker
Kubernetes • OpenShift • GitOps

Database & Data Management

SQL: PostgreSQL • MySQL • SQL Server • Oracle
NoSQL: MongoDB • DynamoDB • Redis • Elasticsearch

LEADERSHIP HIGHLIGHTS

• Led cloud transformation initiatives for 15+ development teams
• Mentored 20+ junior and mid-level developers with 80% promotion rate
• Established DevOps practices reducing deployment failures by 60%
• Championed automation-first culture reducing manual processes by 70%
• Pioneered AI agent development reducing operational overhead by 45%

PROFESSIONAL EXPERIENCE

Cloud Solutions Architect (Contract) | ALSAC/St. Jude Children's Research Hospital

May 2023 - Present | Remote

- â€ Led enterprise cloud transformation initiative, architecting migration of legacy applications to AWS in 6 months, improving scalability and reducing costs by 40%
- â€ Designed CI/CD pipelines using GitLab/Jenkins, reducing release cycle from 2 weeks to 4 hours
- â€ Architected enterprise Kafka messaging infrastructure with 99.9% uptime
- â€ Developed Infrastructure as Code solutions using Terraform
- â€ Managed production Kubernetes clusters on OpenShift for 50+ microservices

Managing Principal Cloud Consultant | Blue Sky Cloud Consulting

Aug 2020 - Apr 2023 | Remote

- â€ Led technical consulting engagements for Fortune 500 clients including GitKraken and Rivian
- â€ Architected cloud migration strategies for 12 enterprise clients
- â€ Designed IoT integration solutions for Rivian's battery cell factories using AWS CDK
- â€ Built complete SaaS platforms for solar energy companies
- â€ Architected white-label social media platform with AI-powered content moderation

Principal Developer | Cerity

Aug 2018 - Aug 2020 | Austin, TX

- â€ Led frontend development using Angular and React
- â€ Architected serverless solutions using AWS services supporting 50,000+ users
- â€ Implemented mono-repo architecture using NRWL/Nx
- â€ Optimized SEO increasing organic traffic by 200%

Lead Developer | ThunderDork LLC

May 2015 - Aug 2018 | Austin, TX

- â€ Architected full-stack solutions for enterprise clients including Capital One
- â€ Designed point-of-sale systems and marketing dashboards
- â€ Developed mobile applications using React Native
- â€ Implemented microservices architecture using Node.js, Docker, and AWS

Senior Frontend Developer | Netspend

Dec 2013 - May 2015 | Austin, TX

- â€ Designed customer account interfaces for prepaid card platform
- â€ Developed internal tools using Angular, Cordova, jQuery
- â€ Implemented automated testing with Protractor, Jasmine, Karma

Senior Frontend Developer | Cinsay

Dec 2011 - Dec 2013 | Austin, TX

- â€ Created cross-platform eCommerce video systems
- â€ Engineered multilingual localization framework
- â€ Managed developer resources in Agile environment

Senior Marketing Developer | Schematic

Aug 2008 - Dec 2011 | Austin, TX

- â€ Designed marketing websites for Dell Computers
- â€ Developed cross-platform interactive experiences for mobile platforms

Senior Frontend Developer | Imc2

Jan 2006 - Aug 2008 | Dallas, TX

- â€ Led client engagements across consumer products and pharmaceutical industries
- â€ Designed advanced Flash applications using ActionScript 3, Flex

EDUCATION & CERTIFICATIONS

Associate of Applied Arts, Computer Animation

The Art Institute of Dallas

AWS Certified Developer - Associate

Additional AWS Certifications (multiple cloud competencies)

KEY ACHIEVEMENTS

- â€ 25+ years of progressive software engineering experience
- â€ Webby People's Choice Award Winner (2007)
- â€ Led digital transformation initiatives for Fortune 500 clients
- â€ Managed cross-functional teams of 8-15 engineers
- â€ Architected enterprise solutions serving 50,000+ concurrent users
- â€ Established DevOps practices reducing deployment cycles from weeks to hours
- â€ Built reusable platforms adopted across multiple business units
- â€ Mentored 20+ developers with 80% promotion rate to senior roles