CRUD Operations – CareerCradle

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# USERS COLLECTION

## CREATE (Insert a New User)

db.users.insertOne({  
 username: "megha\_s",  
 email: "megha@example.com",  
 role: "job\_seeker",  
 profile: {  
 fullName: "Megha S",  
 location: "Pune",  
 skills: ["Python", "MongoDB", "Flask"],  
 resumeUrl: "https://resume.com/megha"  
 }  
})

## READ (Find All Employers in Hyderabad)

db.users.find({ role: "employer", "profile.location": "Hyderabad" })

## UPDATE (Add a Skill to a Job Seeker)

db.users.updateOne(  
 { username: "megha\_s" },  
 { $push: { "profile.skills": "Docker" } }  
)

## DELETE (Remove a User)

db.users.deleteOne({ username: "megha\_s" })

# JOBS COLLECTION

## CREATE (Insert a Job Post)

db.jobs.insertOne({  
 title: "Data Analyst",  
 company: "Infinitum AI",  
 location: "Remote",  
 jobType: "Full-time",  
 skillsRequired: ["SQL", "Python", "Power BI"],  
 employerId: ObjectId("64aaa2222222222222222222"),  
 createdAt: new Date()  
})

## READ (Get Jobs Requiring Python)

db.jobs.find({ skillsRequired: "Python" })

## UPDATE (Change Job Location)

db.jobs.updateOne(  
 { title: "Data Analyst" },  
 { $set: { location: "Bangalore" } }  
)

## DELETE (Remove a Job Post)

db.jobs.deleteOne({ title: "Data Analyst" })

# APPLICATIONS COLLECTION

## CREATE (Insert an Application)

db.applications.insertOne({  
 jobId: ObjectId("64bbb2222222222222222222"),  
 jobSeekerId: ObjectId("64aaa3333333333333333333"),  
 resumeUrl: "https://resume.com/megha",  
 status: "Pending",  
 testScore: 85,  
 submittedAt: new Date(),  
 interviewScheduled: false  
})

## READ (Find All Applications by Megha)

db.applications.find({ jobSeekerId: ObjectId("64aaa3333333333333333333") })

## UPDATE (Mark as Shortlisted and Schedule Interview)

db.applications.updateOne(  
 { jobId: ObjectId("64bbb2222222222222222222"), jobSeekerId: ObjectId("64aaa3333333333333333333") },  
 {  
 $set: {  
 status: "Shortlisted",  
 interviewScheduled: true,  
 interviewDate: new Date("2025-08-02T10:00:00Z")  
 }  
 }  
)

## DELETE (Withdraw Application)

db.applications.deleteOne({  
 jobId: ObjectId("64bbb2222222222222222222"),  
 jobSeekerId: ObjectId("64aaa3333333333333333333")  
})

# ANALYTICS COLLECTION

## CREATE (Insert Analytics Record)

db.analytics.insertOne({  
 jobId: ObjectId("64bbb2222222222222222222"),  
 employerId: ObjectId("64aaa2222222222222222222"),  
 views: 150,  
 applications: 32,  
 shortlisted: 6,  
 interviewScheduled: 3,  
 hired: 1,  
 generatedAt: new Date()  
})

## READ (Get All Analytics for Employer)

db.analytics.find({ employerId: ObjectId("64aaa2222222222222222222") })

## UPDATE (Increment Views)

db.analytics.updateOne(  
 { jobId: ObjectId("64bbb2222222222222222222") },  
 { $inc: { views: 1 } }  
)

## DELETE (Clear Old Records)

db.analytics.deleteMany({  
 generatedAt: { $lt: new Date("2025-07-01T00:00:00Z") }  
})

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MongoDB CRUD Setup – CareerCradle